2002-2003 Catalogue

Centenary College of Louisiana

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Centenary College of Louisiana
Undergraduate Catalogue
2002-2003

Centenary College is an equal opportunity educational institution. The College does not discriminate on the basis of race, color, creed, national or ethnic origin, religion, gender, age, marital status, disability, or sexual orientation, in the administration of its educational policies, recruitment or admission of students, scholarship, grant or loan programs, athletic or other College-administered programs, employment procedures, training programs, promotion policies or other related personnel practices. The College's designated coordinator for compliance with Section 504 of the Rehabilitation Act of 1973, Title IX of the Educational Amendments of 1972 and the Internal Revenue Service is Mr. Fred Scott. The College follows the guidelines for records established by the Family Educational Rights and Privacy Act (1974).

Welcome to Centenary College

Welcome to Centenary College! We know you will quickly grow to appreciate what students, faculty, and alumni call The Centenary Experience.

This phenomenon does not have a single origin, nor does it happen at once or at any one place. Rather, The Centenary Experience comes from many sources, expanding and flourishing with each new academic season.

This special Centenary Experience begins with our people: the faculty, who are committed to teaching, scholarship, and integration of knowledge; administrators and staff who nurture leadership in activities throughout the community; visiting lecturers and artists-in-residence whose diverse cultures expand ways of thinking; and especially our students, whose ethnic, geographic and racial backgrounds provide a rich and stimulating diversity of cultures.

The Centenary Experience takes shape from our places — classrooms, recital halls, museums, faculty homes, field trips, playing fields, tennis courts, porches and gardens. These are common places where uncommonly deep roots of scholarship and friendship take hold.

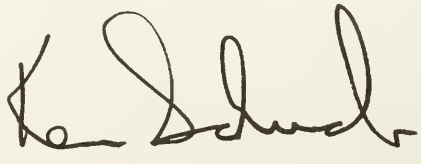
Our programs — in academics, athletics, and the arts — bind The Centenary Experience from class to class. These programs include challenging, rigorous work with rewards of increased self-confidence and competence.

A cornerstone of our programs is The Centenary Plan. Components of the plan involve every student in at least one social service project and one experience of living in a different culture such as an Amish community, an Indian Reservation or a large city like London, Paris, or Tokyo. Opportunities will be made available to explore career choices through involvement in career planning and internships.

The value of a liberal arts education will never depreciate. It provides us with a course for life while strengthening moral character. If we prepare you properly, then you will take with you a passion for learning and an earnest desire to explore ideas and to chance innovative thinking.

Centenary College is rooted in the liberal arts and, at the same time, progressive, pioneering and bold. By joining the Centenary community, you will be given the opportunity to seek the education of a lifetime.

Sincerely,



Kenneth L. Scwab
President

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Academic Calendar 2002-2003

Fall Semester 2002

New Faculty Orientation	9:00 a.m.	Wed.	Aug. 14
Pre-registration Faculty Conference	8 a.m.	Thurs.	Aug. 15
New Resident students			
Check-in at Student Center	11:00 am-4:00 p.m.	Thurs.	Aug. 15
Orientation - New Students	11:00 am	Thurs.	Aug. 15
Dining Hall opens for new students	4:30 p.m.	Thurs.	Aug. 15
Late registration for new students	2:00 p.m.-4:30 p.m.	Fri.	Aug. 16
Returning students Check-in	11:00 am-2:00 p.m.	Sun.	Aug. 18
Late registration for returning students	2:00 p.m.-5:00 p.m.	Sun.	Aug. 18
Dining Hall will serve from	5:00-6:30 p.m.	Sun.	Aug. 18
Dining Hall resumes regular schedule	7:30 a.m.	Mon.	Aug. 19
Class work begins	8:00 a.m.	Mon.	Aug. 19
President's Convocation	**11:00 am**	**Tues.**	**Aug. 20***
Last day for enrolling, adding courses or changing sections	Noon	Wed.	Aug. 28
Labor Day Holiday		**Mon.**	**Sept. 2**
Last day for removing incomplete grades from preceding Spring, Module, Summer	4:30 p.m.	Fri.	Sept. 27
Fall Break begins	8:00 p.m.	Wed.	Oct. 2
Classes resume	8:00 a.m.	Mon.	Oct. 7
Mid-semester grades due	Noon	Fri.	Oct. 11
Last day for dropping courses or changing enrollment status	4:30 p.m.	Fri.	Oct. 18
Parents and Family Weekend		**Fri.-Sun.**	**Oct. 18-20**
Registration for Spring	Banner Web	Mon.-Fri.	TBA
Thanksgiving recess begins	2:00 p.m.	Fri.	Nov. 22
and Dining Hall closed	1:00 p.m.	Fri.	Nov. 22
Residence halls close	10:00 a.m.	Sat.	Nov. 23
Residence halls open	1:00 p.m.	Sun.	Dec. 1
Classes resume and Dining Hall opens	7:30 a.m.	Mon.	Dec. 2
Preparation Week		Mon.-Fri.	Dec. 2-6
Christmas Program	6:00 p.m.	Fri.	Dec. 6
Class work ends	8:00 p.m.	Fri.	Dec. 6
Semester Exams		Mon.-Fri.	Dec. 9-13
All-Campus Christmas Dinner	5:00 p.m.	Tues.	Dec. 10
Dining Hall closes	1:00 p.m.	Fri.	Dec. 13
Residence halls close	Noon	Sat.	Dec. 14

Spring Semester 2003

Residence halls open	10:00 a.m.	Sun.	Jan. 5
New Student Registration	1:00-5:00 p.m.	Sun.	Jan. 5
Dining Hall opens	5:00-6:30 p.m.	Sun.	Jan. 5
Class work begins	8:00 a.m.	Mon.	Jan. 6
Last day for enrolling, adding courses or changing sections	4:30 p.m.	Tues.	Jan. 14

MLK Day Ceremonies	11:00 a.m.-1:00 p.m.	Mon.	Jan. 20**
Module Registration		Mon.-Fri.	Jan. 27-31
Founders' Day	9:45 a.m.-1:00 p.m.	Thurs.	Jan. 30***
Alumni and Family Weekend		Fri.-Sat.	Jan. 31-Feb. 1
Last day for removing incomplete grades from preceding semester	Noon	Fri.	Feb. 14
Mid-semester grades due	4:30 p.m.	Fri.	Feb. 28
Dining Hall closes for Mardi Gras	1:00 p.m.	Fri.	Feb. 28
Mardi Gras Break begins (Mardi Gras - Mar. 4)	2:00 p.m.	Fri.	Feb. 28
Residence halls close	5:00 p.m.	Fri.	Feb. 28
Residence halls open	1:00 p.m.	Sun.	Mar. 9
Dining Hall opens	7:30 a.m.	Mon.	Mar. 10
Classes resume	8:00 a.m.	Mon.	Mar. 10
Last day for dropping courses or changing enrollment status	4:30 p.m.	Fri.	Mar. 14
Honors Convocation	5:00 p.m.	Thurs.	Apr. 10
Student Research Forum		Fri.	April 11
Dining Hall closes for Spring Break	6:30 p.m.	Wed.	Apr. 16
Spring Break begins (Easter - April 20)	8:00 p.m.	Wed.	Apr. 16
Residence halls close	10:00 a.m.	Thurs.	Apr. 17
Residence halls open	1:00 p.m.	Mon.	Apr. 21
Dining Hall opens	7:30 a.m.	Tues.	Apr. 22
Break ends and classes resume	8:20 a.m.	Tues.	Apr. 22
Registration for Summer, Fall		Mon.-Fri.	TBA
Preparation Week		Tues.-Fri.	Apr. 22-25
Class work ends	2:00 p.m.	Fri.	Apr. 25
Semester Exams		Mon.-Fri.	Apr. 28-May 2
Baccalaureate and Commencement	10:30 a.m.	Sat.	May 3
Dining Hall closes	1:00 p.m.	Sat.	May 3
Residence halls close	7:00 p.m.	Sat..	May 3

Module 2003

Residence halls open	1:00 p.m.	Tues.	May 6
Dining Hall opens	8:00-8:30 a.m.	Wed.	May 7
Classwork begins	9:00 a.m.	Wed.	May 7
Last day to drop	4:30 p.m.	Mon.	May 12
Classwork ends and Dining Hall closes	1:00 p.m.	Tues.	May 27
Residence halls close	Noon	Wed.	May 28
Module grades due	Noon	Tues.	June 3

Summer 2003

Registration	8:30 a.m.	Mon.	June 9
Classes Begin	8:30 a.m.	Tues.	June 10
Classes End	5:30 p.m.	Fri.	July 11

*President's Convocation - The 9:45-11:00 a.m.classes need to be dismissed no later than 10:30 a.m.
**MKL Day - The 11:00 to noon and noon to 1:00 p.m. classes cancelled.
***Founders' Day - The 9:45 a.m. - 11:00 a.m. class cancelled and the start of the 12:30 p.m.-1:50 p.m. class postponed until 1:00 p.m.

The Centenary Experience

History

Centenary College of Louisiana traces its origins to two earlier institutions — one public, one private. In 1825, the State of Louisiana founded the College of Louisiana in Jackson. In 1839, the Methodist conference of Mississippi and Louisiana established Centenary College to celebrate the one hundredth anniversary of John Wesley's first organization of the Methodist Societies in England. This institution opened its doors in Clinton, Mississippi and in 1840 moved to Brandon Springs. In 1845, it purchased the College of Louisiana, and the merged entity moved to Jackson as Centenary College of Louisiana. In 1908, after accepting generous gifts of land from the Atkins family, the Louisiana Methodist Conference relocated the college to its present home in Shreveport.

From its beginning, Centenary has offered its student body, which included women after 1895, a comprehensive liberal education in the arts and sciences. On this foundation, the College has since developed a wide array of pre-professional and a limited number of graduate programs.

Purpose

Centenary is a selective liberal arts college offering undergraduate programs and limited number of graduate programs in the arts, humanities, natural sciences, and social sciences, which strengthen the foundation for students' personal lives and career goals. Students and faculty work together to build a community focused on ethical and intellectual development, respect and concern for human and spiritual values, and the joy of creativity and discovery.

Consistent with its affiliation with the United Methodist Church, the College encourages a lifelong dedication not only to learning but also to serving others. It strives to overcome ignorance and intolerance; to examine ideas critically; to provide an understanding of the forces that have influenced the past, drive the present, and shape the future; and to cultivate integrity, intellectual and moral courage, responsibility, fairness, and compassion.

In pursuit of these ideals, the College challenges its students throughout their education to write and speak clearly; to read, listen, and think critically; to comprehend, interpret, and synthesize ideas; to analyze information qualitatively and quantitatively; to appreciate the diversity of human cultures; to respect the value of artistic expression; and to recognize the importance of a healthy mind and body and the interdependence of people and the environment.

Academic and co–curricular programs, as well as the example of those who teach and work at Centenary, support students in their development and encourage them to become leaders in the work place, the community, the nation, and the world at large.

Accreditation

Centenary College is accredited by the recognized regional and national agencies and is approved by the University Senate of The United Methodist Church. Centenary is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools, 1866 Southern Lane, Decatur, Georgia 30033-4097, telephone number 404-679-4501 to award bachelors' and masters' degrees. Accreditation documents may be viewed in the Office of the President.[1]

Faculty

With a student/professor ratio of twelve to one, the classes at Centenary range in size from thirty students in popular introductory courses to six or ten students in junior and senior seminars.

Centenary College is especially and justly proud of its faculty, many of whom are nationally and internationally known authorities in their fields of study. Over two-thirds of the faculty hold terminal degrees. Nine members of the faculty and staff have earned the coveted key of Phi Beta Kappa. Thirteen have the honor of membership in Omicron Delta Kappa.

Within the past decade Centenary professors have been awarded an impressive number of research fellowships and study grants by the American Council of Learned Societies, the American Philosophical Society, the Henry E. Huntington Library, the National Science Foundation, and the National Endowment for the Humanities. (There have been fifteen NEH awards to Centenary professors.) During that same period, Centenary faculty members have also been honored as Danforth Associates, Fulbright lecturers, national officers in professional associations, and visiting professors in American and European universities.

Shreveport Area

Shreveport is located on the west bank of the Red River in Northwest Louisiana. The metropolitan area has a population in excess of 300,000 and forms the geographical, cultural, and economic center of the region known as the Ark-La-Tex.

The climate of the area features pleasant spring and fall temperatures, consistently warm summers and mild winters, with cold periods of short duration. The average annual temperature is 66° Fahrenheit. Residents enjoy outdoor sports and recreation throughout the year.

1 Also, the College maintains membership in the American Council on Education, the Association of American Colleges and Universities, American Association of Collegiate Registrars and Admissions Officers, the American Association of University Women, the Conference of Louisiana Colleges and Universities, the Council for Advancement and Support of Education, the Institute of International Education, the Louisiana Academy of Science, the Association of Departments of English of the Modern Language Association, the Association of Departments of Foreign Languages of the Modern Language Association, the National Association of Schools and Colleges of The United Methodist Church, the Associated Colleges of the South, and the Louisiana Association of Independent Colleges and Universities. Centenary College is a participant in the Common Application Program. The music program is accredited by the National Association of Schools of Music.

The Shreveport area is a major producer of oil and natural gas. Another important part of the local economy is Barksdale Air Force Base, the headquarters of the Eighth Air Force and one of the largest bases of the Strategic Air Command.The city is a regional health center, including a state medical center, school of medicine and allied health, and many general hospitals.

Centenary College and members of the Shreveport community enjoy joint participation in cultural events. Opportunities in theater, musical events, opera, dance, and the visual arts are offered on and off campus.

Academic Buildings and Facilities

The over sixty-five-acre campus of Centenary College, two miles south of downtown Shreveport, is widely known for its natural beauty and stately Georgian architecture.

Campus Buildings and Gardens

Brown Memorial Chapel. The College chapel was erected in 1955, through the generosity of the late Paul M. Brown, Jr., Chairman Emeritus of the Board of Trustees, and his brother, Colonel S. Perry Brown, a life member of the Board, in honor of their parents.

Bynum Memorial Commons, the cafeteria, built in 1956, was named in 1974 to honor Robert Jesse Bynum, New Orleans businessman and benefactor of the College.

Centenary Square was added to the campus in 1998. It houses the Department of Education and charitable organizations.

The Pierce Cline Residence Hall for Men was named for the twenty-ninth President of Centenary and opened in 1963 and houses 200 male students.

Crumley Memorial Gardens. These beautifully landscaped gardens, where azaleas bloom each spring, were a 1954 gift of the late Howard Crumley and Mrs. Crumley in honor of their son, David Howard Crumley.

Frost Memorial Fountain and Rose Garden. This lovely garden, in front of the Student Union Building, was a gift (1954) of Edwin Frost Whited in memory of his grandfather, Edwin Ambrose Frost.

The Gold Dome. Completed in 1971, this excellent physical education facility with the geodesic dome serves as the home basketball court and gymnastics arena for the Centenary Gentlemen and Ladies.

Hamilton Hall, the administration building, also completed in 1971, was largely the result of gifts by the late Mr. and Mrs. David Philip Hamilton. Mrs. Hamilton was a trustee of the College and a member of the first Centenary class to graduate in Shreveport.

The John A. Hardin Memorial Residence for Women opened in 1958 for 68 women residents; its name honors a former dean and professor of mathematics at Centenary.

The Hargrove Memorial Amphitheatre, was a gift of Mrs. R. H. Hargrove and her children and was built in memory of her husband, Mr. Reginald H. Hargrove. It is used for convocations, plays, and concerts.

The Centenary Fitness Center and Natatorium was completed in November 2000. The Center expands the W.A. Haynes Memorial Gymnasium, which was built in 1936; its name honors a Shreveport oilman who was a generous benefactor of Centenary programs of the 1920's and 30's. In 1985 the gymnasium was renovated through gifts from friends of the College. The former Haynes Gymnasium was renamed the W.A. Haynes Memorial Courts. There is also a W.A. Haynes Memorial Conference Room.

The Hodges Rose Garden. In 1983, through gifts from Mr. and Mrs. G. W. James, this garden was constructed and endowed in the memory of Mrs. Addie Reynolds Hodges and

Mrs. Maggie Hodges James, the grandmother and mother of the donors. This beautiful garden has over twenty different types of plants and provides a peaceful setting for study and relaxation.

The Ed E. Hurley Memorial Music Building and the *Gladys Hurley School of Music* honor the memory of the late Mr. and Mrs. Hurley, long-time patrons of the College. The Gladys Hurley Memorial Music Library was constructed in 1990.

Jackson Hall. The present structure was erected in 1941 on the site of the first Jackson Hall (1908), both named for the original location of the College. It was completely remodeled in 1988 with a grant from the Frost Foundation, and gifts from individual donors to furnish and endow the rooms. A computer laborator was installed in 1994.

The T. L. James Residence Hall for Women. This dormitory was a gift of the T. L. James family of Ruston, Louisiana.

The Marjorie Lyons Playhouse, one of the most beautiful and well-equipped college theatres in the country, was a 1958 gift of trustee Charlton H. Lyons and his family.

The John F. Magale Memorial Library, academic heart of the College, was named for John Magale, a Shreveport oilman and major contributor to the College during his lifetime.

The Meadows Museum of Art. In 1976, through a gift of the late Algur H. Meadows, an alumnus, this building, which housed administrative offices from 1925-1971, was transformed into a lovely art center; on permanent display in it is the Jean Despujols Collection of Indochinese Art.

The Joe J. Mickle Hall of Science. The late Joe J. Mickle was President of Centenary from 1945-1964. The science building was completed in 1950 and named for him in 1964. Located in this facility are the Barrow physics laboratories, and the rehearsal hall of the Centenary College Choir. W. Russell Barrow furnished the laboratories in honor of his mother, the late Addie Johnson Barrow. Trustee Gertrude Anderson furnished the rehearsal hall. In addition, Mr. and Mrs. George Wray were major contributors to the establishment of the building.

The Randle T. Moore Student Center, commonly called the SUB (Student Union Building), was built in two stages: the first, in 1938; the second, in 1958 with the generous support of the benefactor whose name it bears.

The Sam P. Peters Center, constructed in 1990, houses the Office of Admissions as well as literary documents, including those of Jack London and William Corrington, and memorabilia of Louisiana United Methodist churches. The building was made possible by a gift from Samuel P. Peters, 1939 alumnus and trustee.

The Rotary Hall Suites, built with assistance from the Rotary Club of Shreveport in 1926, was remodeled in 1954, and again in 1965. It was completely gutted and remodeled in 1997 to become an apartment-style complex with single room lofts and suites, each with kitchenettes.

The George S. Sexton Memorial Residence for Women, housing 189 females, was built in 1960 and named for the man who served as President of Centenary from 1922-1932.

The Dean R. E. Smith Building. The Louisiana Conference of The United Methodist Church funded this building in 1961 and named it for the late Dean R. E. Smith, Centenary professor of Biblical literature for twenty-nine years. It contains the Nellie P. Kilpatrick auditorium, in memory of the distinguished lady who was named Honored Trustee by act of the Board of Trustees.

The Sydney R. Turner Art Center, completed in 1987, houses the faculty and programs of the Art Department. The Center has up-to-date classrooms, studio and gallery facilities. It was made possible by a gift from Centenary alumnus Sydney R. Turner of Los Angeles, California.

Life on Campus

The Student Life Division is composed of the Dean of Student Life Office, Student Activities, Recreational Sports and Intramurals, Residence Life and Housing, Counseling Services, and Health Services, all designed to provide a rich assortment of non-academic activities for Centenary Students. Located in the Student Union Building, the Student Life Office is a place where students can come with their suggestions or to seek advice and guidance.

The Student Life Staff are available to provide service and support for students which enhance learning and continued personal growth. Students are encouraged to address problems, concerns, complaints, or recommendations to any member of the staff. Student Activities and Residence Life and Housing are also located in the Student Union Building. Counseling Services and Health Services are in Rotary Hall. Recreational sports and intramurals are in the Centenary Fitness Center.

Student Activities Office

The Student Activities Office provides students with many opportunities to get involved in activities, programs, and services at Centenary College. The office serves as a resource center for information about campus activities, as well as student organizations. The Student Activities Office is located in the lower level of the Student Union Building (SUB).

Residence Life and Housing

The College makes every effort to create an environment for learning that is conducive to academic success, personal growth and complete involvement in campus living. All full-time students, are required to live on campus and to purchase one of the meal plans offered to residential students through the Dining Services. Exceptions to this requirement are listed in the ***Centenary College Student Handbook*** and must be approved through the Residence Life Office prior to the deadlines listed in the Handbook.

There are five air-conditioned residence halls. Rooms are assigned based on applications made each year. Whenever possible, students are assigned their choice of roommates and residence halls. Professional staff supervise the residence halls. Student resident assistants provide peer counseling, leadership, and community building activities.

Each residence hall elects a Hall Council to plan the activities of each hall. A representative from each council serves on the Residence Hall Association, which serves as the governing board of the residence halls.

Meals

All residential students are required to have a meal plan. The College meal program is under the direction of Sodexho Dining Services. Students on the board plan are provided meal service in the Dining Hall or the Randle's Place Cafe. Hours of operation are posted at each location. With a recommendation from a physician, accompanied by a listing of specific dietary needs, special diets may be provided by the Food Service Director. Requests for exemption to the meal policies may be directed to the Director of Dining Services.

Commuter students may purchase a meal plan or set up a declining balance account. Meal plans for commuters are optional, not required.

Hot and cold food and snacks may be purchased at Randle's Place Cafe in the Student Union Building.

Counseling Services

The Director of Counseling Services, located on the ground floor of Rotary Hall is available to provide short term counseling for students. Personal counseling is available through the Counseling Center or from several other sources on campus. The Dean of Student Life, the Director of Career Development, the Chaplain, and members of the faculty are also available to assist students with short-term needs. These sources are able to refer individuals to community resources and facilities when necessary, phone number (318) 869-5466.

Disability Services

Centenary assures students with disabilities equal opportunity to reach the same level of achievement as other students in the most integrated setting appropriate to the individual's needs. No qualified student shall be excluded from participation in, be denied benefits of, or otherwise be subjected to discrimination under any program or activity. Services for students with disabilities, which include an ADA Computer Lab and tutoring assistance, are coordinated through the Counseling Center, located on the ground floor of Rotary Hall, phone number is (318) 869-5466.

Student Union Building

The Moore Student Union Building (SUB) is at the center of campus. The main floor of the SUB houses the offices of Campus Activities Board and the Student Government Association, as well as the College Store, Post Office and Randle's Place, the snack bar. The offices of Student Life, Student Activities, and Residence Life and Housing are located in the lower level. The upper level provides space for the faculty lounge, offices for the student media, as well as the Student Senate meeting room.

The SUB offers a comfortable atmosphere for studying, relaxing, and visiting with friends. Game room equipment is also available from the Information Center desk during posted hours.

Student Government

Centenary College supports and encourages participation in student government. The officers and members of the Student Government Association are elected representatives of the entire student body. In addition to Student Government, appointed students serve as voting members on most committees of the college. The Student Government Association's Vice President for External Affairs makes these committee appointments. The College has delegated considerable authority to the Student Government Association, as well as the Honor Court and the Judicial Boards.

Health Services

Health Services is directed by a Registered Nurse who offers illness/ injury first contact, wellness screening, illness counseling, and health education. Health services are provided during posted hours. The Director can additionally help students with referrals to area physicians as needed. Follow-up, however, is the student's responsibility. Students with ongoing medical problems are advised to establish contact with a local physician during the first semester, in addition to making contact with Health Services. Full service medical care is available at area hospitals near the campus. Costs for those services are handled on a private patient basis. All full time undergraduate students at Centenary College are assessed a health services fee each semester. In addition, all students registered for 6 or more hours are charged a mandatory insurance fee annually, payable per semester. Those

students with valid insurance in the Shreveport area may waive off the plan by providing the necessary documentation prior to the beginning of the semester. This documentation is available from Health Services.

The Honor System

All students are bound by the Honor System which is applicable to all academic work. The Honor Code is administered through an Honor Court composed of student Justices who are elected through nominations from both faculty and students. The complete Honor Code is stated in the Honor Court Constitution contained in the ***Centenary College Student Handbook***. The Honor System is based upon the premise that honor is fostered, not forced, and that it can be fostered only through the willing and earnest efforts of both faculty and students.

Career Development

The Mission of he Career Development Center is to educate, promote and foster graduating students with the tools necessary to meet the career challenges of tomorrow.

The Career Center is available to all current students and alumni of Centenary College. The Center provides vocational counseling and direction on self assessment, career goal setting, professional image, interview etiquette, job search strategies, resume and cover letter writing.

First-year students and sophomores are provided with a variety of assessment opportunities as they plan for their major and career orientation.

The Career Center Library provides a central reference area on corporate profiles, occupational literature, and reference materials on job search tactics. The Center also serves as a resource for part-time jobs in the community. It assists in graduate school preparation and selection and post-graduate job opportunities nationally and internationally.

The Department of Education offers additional assistance in the placement of teachers.

Students who desire on-campus employment should contact the Office of Financial Aid.

Religious Services and Organizations

Brown Memorial Chapel offers many opportunities for worship and private meditation. The Chaplain coordinates religious services and programs. Other special programs are sponsored by the **Church Careers Institute. Stepping Stones**, is a weekly non-denominational, student lead Christian praise and worship service.

Centenary students are regular participants in churches and synagogues throughout the Shreveport area. **The Shreveport/Bossier Campus Ministries**, composed of student, faculty, and staff representing various denominations, strives to foster the development of the student in campus-wide religious activities. **ICTHUS**, is a Christian program sponsored by the ***United Methodist Student Movement, Presbyterian*** and ***Disciples of Christ***. Students from *all* denominations are welcome for a time of study, music, and Christian fellowship. Programs of a similar nature are also provided by the **Baptist Collegiate Ministries, Canterbury House (Episcopal), Fellowship of Christian Athletics** and **Campus Crusade for Christ.**

For more information regarding the individual organizations please visit Centenary's Religious Life web page at http://www.centenary.edu/departme/rellife/rellife.html

Library and Information Services

When you pass through the columns of Magale Library you discover a student-

responsive home away from home, friendship and learning. Onsite there are 120 computers for student use and high-speed Internet acess, as well as access for student-owned notebooks, vending machines, study rooms, a multimedia screening room, videos – and a media production center. Supplementing the core collection, Magale provides on and off campus access to over 25,000 full-text journal titles profiled for research. Assistance is available during open hours – and nine faculty scholars have offices in the Magale "home".

Music

The Gladys F. Hurley School of Music provides opportunities for both music majors and non-majors to participate in campus musical organizations. Instrumentalists may audition for the Wind Ensemble, the Jazz Ensemble, the Hurley Chamber Orchestra, and various instrumental chamber groups. Vocalists may audition for the Centenary College Choir, Camerata Singers, and Opera Workshop. The School of Music serves as home to the Friends of Music Concert Series, and frequently hosts concerts by other groups, such as the Baroque Artists of Shreveport, the Shreveport Chamber Singers, and the Shreveport Symphony Chamber Orchestra. The international Nena Plant Wideman Piano Competition takes place at the Hurley School of Music each December.

Theatre

The versatile Marjorie Lyons Playhouse makes it possible for Centenary to present imaginative and artistic drama and to provide diversified and entertaining dance programs. The Rivertowne Players is the theatrical organization for students.

Film

The Centenary Film Society, a student-faculty group sponsored by the English Department, offers to the campus and the community a wide variety of classic and contemporary films. The Film Society offers narrative, experimental, animated, and documentary films weekly and Film Festivals monthly while the College is in session.

Special Events

Students enjoy guest lectures and entertainers representing all the arts. All-campus dances, professional entertainment, the Founders' Day picnic, all-campus revues, and all-campus weekends involve the entire community of the College.

Each year through the Willson Lecture Series outstanding lecturers in theology, philosophy, and education are brought to the campus. These guest lecturers are provided through the generosity of Dr. and Mrs. J. M. Willson of Floydada, Texas.

Centenary also participates in the Woodrow Wilson Visiting Fellows Program, which brings two distinguished lecturers a year to the campus. They spend a week meeting classes, dining with students and faculty, hosting informal sessions with students, and giving an address open to the public. Outstanding diplomats, journalists, corporation executives, and politicians have visited the College in this program.

The Media

Student talent and opinion find expression in The Conglomerate Weekly, the student newspaper, Pandora, a literary magazine, the Yoncopin, the yearbook, and in the French language newspaper, Le Tintamarre. Written and edited by students, these media are financed by student fees and advertising.

KSCL (91.3 FM) is the student-managed-and-operated 150-watt radio station broad-

casting up to 84 hours per week. The station offers open format, educational, French language, and public service programming to the Shreveport community. KSCL meets the requirements and regulations of the Federal Communications Commission governing college stations.

Physical Fitness and Intramurals

Centenary provides a broad, general program of physical fitness. The new Centenary Fitness Center and Natatorium opened in November of 2000. The Center contains two basketball courts, a 25 yard swimming pool, an indoor track, an exercise area with weight machines and cardiovascular equipment, an aerobic room, a dance studio, and two racquetball courts. There is also a 52' climbing tower just outside the Fitness Center for our students to challenge themselves on.

Centenary sponsors eighteen intercollegiate athletic programs, eight men's sports and ten women's sports, which compete against nationally ranked opponents. The men's and women's teams are members of the National Collegiate Athletic Association (NCAA) Division I. Men's teams are basketball, baseball, cross country, golf, riflery, soccer, swimming, and tennis. Women's teams are tennis, riflery, cross country, swimming, volleyball, gymnastics, soccer, softball, golf and basketball. Centenary soccer player Laura Brown led the nation in 2000-2001 NCAA Division I soccer in points per game and goals per game. Ronnie McCollum led the NCAA Division I basketball in scoring for the 2000-2001 season. Centenary is the alma mater of NBA great Robert Parish '76, PGA golfer Hal Sutton '81, and Olympic gymnast and ABC Commentator, Kathy Johnson Clarke '81.

Intramural activities are also offered through the Fitness Center. Some of the sports the students participate in are: flag football, bowling, indoor and outdoor soccer, ping pong, pool, volleyball, basketball, softball, racquetball, swimming, just to name a few.

Students are also given a chance to make extra money by working in the Fitness Center and officiating/refereeing intramural activities. If you would like to get involved in Fitness Center or Intramurals, stop by room 103 in the Centenary Fitness Center.

Service and Departmental Organizations

Students may become more directly involved in campus life through participation in departmental clubs, honor societies and other campus organizations. Other opportunities for involvement include the Campus Activities Board (CAB) and Student Government Association (SGA). All organizations are listed in the ***Student Handbook*** in the Student Organizations section.

Greek Life

Greek social organizations at Centenary College are comprised of four national fraternities: Kappa Alpha, Kappa Sigma, Tau Kappa Epsilon, and Theta Chi; and two national sororities: Chi Omega and Zeta Tau Alpha. In addition to encouraging academic excellence, the Greek system provides opportunities to form lifelong friendships, develop leadership skills, and participate in community service projects and social activities.

The Alumni Association

The Centenary College Alumni Association is the organization through which each graduate maintains a lifetime of supportive interest in the College and its programs and communication with fellow former students. A network of class agents serves to inform Centenary's 10,000 alumni. Homecoming Weekend is held the first Saturday of February.

Admissions

Undergraduate

Admissions Philosophy

Centenary College offers admission to qualified applicants without regard to race, color, gender, age, disability, religion or national origin. The College seeks first-time and transfer students who possess a high degree of intellectual curiosity, competitive academic backgrounds, refined talents and skills, along with a serious commitment to the pursuit of a liberal arts education. Even though academic achievement and potential are important in the evaluation process, a student's character, maturity, originality, aptitude, determination, leadership skills, special interests and talents are also significant factors in evaluating candidates for admission and scholarship selection.

Prior to making the transition to Centenary, students should take college preparatory and advanced course work in high school. Most candidates for admission have participated in accelerated academic programs or have enrolled in additional academic units (when available). Applicants are strongly encouraged to complete a minimum number of units in certain academic subjects:

4 units of English
3 units of Math (algebra I and II, geometry, or equivalents)
3 units of social science
3 units of natural science (at least two with lab, when available)
2 units of foreign language (in the same language)

Requirements for Admission

Admission to Centenary is selective, with applicants being evaluated on strength of academic curriculum, trends in academic grades, standardized test score results (SAT I or ACT), letters of recommendation, extracurricular activities, leadership experiences, and a personal essay. Priority consideration for admission and scholarship funding will be given to those students who submit applications by posted deadline dates.

With the exception of early admission applicants, all candidates for admission as full-time students are expected to have graduated from an accredited high school or have received their General Education Diploma (GED) prior to enrollment at Centenary. Applicants without these credentials are required to provide a transcript or thorough listing of subjects covered, and a reading list of texts may be required. The Admissions Committee reserves the right to request that these applicants submit additional standardized test scores and participate in a campus interview. Home-educated students must submit results from the ACT or SAT I.

Students interested in a music major should consult that section of the catalog for additional entrance requirements into the Hurley School of Music.

Application Procedures for First-Year Students

	Application Due	Notification Sent	Deposit Due
Early Decision	**December 1**	**January 1**	**February 1**
Early Action	**January 15**	**February 1**	**May 1**

Regular Decision **February 15** **March 15** **May 1**

The Admissions Committee will only review a complete application, which consists of the following items:

1) A completed freshman application form;

2) A non-refundable $30.00 application fee;

3) An official high school transcript (faxes, advisement and student copies are not official);

4) A copy of SAT I and/or ACT test results sent directly to Centenary, or scores reported on the official high school transcript (faxes and student copies are not official);

5) At least one letter of recommendation from a teacher or counselor, but additional sources are also welcomed to provide further recommendations on the student's behalf; and

6) A completed Secondary School Report Form, signed by college counselor or secondary school official.

Centenary offers three application cycles for first-year students planning to enter in the fall semester. The **Early Decision** program is designed for students that have a strong desire to attend Centenary and consider the College their first-choice selection. The Admissions Committee will review the folders of students who have submitted application materials postmarked by December 1 and have designated their application as Early Decision. The Committee will notify Early Decision candidates with complete applications of their status by January 1. **If accepted under the Early Decision program, the student agrees to withdraw all applications and enroll at Centenary College.** Students may apply under Early Decision to only one college, multiple Early Decision filing will automatically nullify a student's application. Early Decision candidates for need-based aid are asked to complete the Centenary College Early Decision Financial Aid Estimator Form by January 1, and then complete the FAFSA by February 15. Copies of these forms can be obtained from the Financial Aid Office at the College. Students accepted in Early Decision will be asked to submit a non-refundable $200 enrollment deposit along with the signed Admission Agreement by the February 1 postmark deadline to reserve their space in the entering class. This deposit will be credited to the student's account in the Business Office.

The **Early Action** program is for students who have determined that Centenary is among their top choices. Applicants under Early Action must apply by January 15. Notification of the Admissions Committee's decision will begin on February 1. Admitted students have until May 1 to submit a $200 non-refundable tuition deposit to reserve their spot in the class.

The **Regular Decision** program has a postmark deadline of February 15. Applicants meeting this Regular Decision application deadline will receive full consideration for admission and scholarships, while students submitting applications after this date will be reviewed on a space-available basis. Candidates in Regular Decision with complete applications will be notified of their status in mid-March. After admission decisions have been made, accepted applicants will be reviewed for scholarship and financial aid consideration. Students are encouraged to complete the FAFSA by February 15. Copies of this form can be obtained from the Financial Aid Office at the College. Students choosing to enroll at Centenary will be required to submit a $200 non-refundable enrollment deposit along with the signed Admission Agreement by the May 1 postmark deadline to

reserve their space in the entering class. This deposit will be credited to the student's account in the Business Office.

All accepted applicants who submit enrollment deposits will be considered provisional students until a final, official high school transcript is received (mailed directly from the high school to Centenary), indicating high school graduation date. Admission to Centenary is conditional and can be rescinded by the College if a student experiences a significant decline in his/her academic performance in high school after having been admitted.

First-Year Candidates with College Credits

The Admissions Committee encourages high school students to enroll in a challenging curriculum. High school students participating in dual-enrollment, joint-enrollment, or concurrent enrollment programs with a local college or university may transfer earned credit to Centenary providing ALL of the following criteria have been met:

1) The course(s) must be taught by a college professor;
2) The course(s) must be taken on a college campus;
3) The course(s) must be similar in content to course(s) offered by Centenary;
4) A class grade of "C" or better must be earned;
5) The majority of students in the class(es) must be college students;
6) The college course(s) may not be counted towards requirements for high school diploma, unless taken at Centenary College;
7) An official transcript from the college is submitted, indicating all courses attempted and grades received.

Campus Visits and Personal Interviews

A formal interview is highly recommended in the application process. Prospective students are strongly encouraged to visit the Centenary campus to meet with a member of the admissions staff, participate in a campus tour, speak with faculty members, and attend a class in their area of interest. High school seniors and juniors and transfer students may also schedule an overnight stay in the residence halls with a host student. Overnight visits can be scheduled for Sunday-Thursday evenings. If a campus visit is not possible, the Office of Admissions will arrange an interview convenient with the applicant.

The Office of Admissions is open weekdays from 8:00 a.m.-4:30 p.m. and on Saturday mornings by appointment during the academic year. Students can receive additional information about scheduling a campus visit by calling (800) 234-4448 or (318) 869-5131.

Application Procedures for Transfer Students

A transfer student is one entering Centenary from another institution of higher learning. The largest volume of transfers enter Centenary at the start of Fall Semester (August), but transfer students may choose to apply for entry in Spring Semester (January) or Summer Session (June). To be acceptable as transfers, students must be academically eligible to return to their previous institutions and must exhibit the ability to perform at a level required by a selective college like Centenary. The Admissions Committee will consider the curriculum chosen, grade point average earned, and the competitive nature of the institution from which the student is transferring. If students do not meet the above criteria, the Admissions Committee may elect to offer a candidate admission to Centenary on a probationary status (See Academic Progress, page 59).

The application review timetable for transfer candidates differs from first-year deadlines. In most cases, Centenary notifies students of their status within 3-4 weeks after

an application is complete.

Fall Semester: Priority consideration for admission and financial aid will be given to transfer students applying prior to February 15. Applications received after this date will be reviewed, accepted, and packaged as space and funds are available. Notification letters will be sent to applicants with complete files beginning on March 15. Students are encouraged to complete the FAFSA by February 15. Copies of this form can be obtained from the Financial Aid Office at the College. The application deadline date for fall semester is August 1.

Spring Semester: Applications are due no later than December 1, and Centenary notifies students of their status as soon as possible.

Summer Session: Applications are due no later than June 1. Notification is made on a 'rolling' basis.

The Admissions Committee will only review a complete transfer application, which consists of the following items:

1) A completed transfer application form;

2) A non-refundable $30.00 application fee;

3) An official high school transcript mailed directly from the high school that indicates graduation date (faxes, advisement and student copies are not official);

4) An official college transcript mailed directly from each college attended;

5) A brief written statement, indicating reasons for transfer and future academic goals;

6) A copy of SAT I and/or ACT test results sent directly to Centenary, or scores reported on the official high school transcript (faxes and student copies are not official). *This requirement may be waived if a student has more than 30 transferable hours or has reached his/her 25th birthday.*

7) At least one letter of recommendation from a college professor or advisor, but additional sources are also welcomed to provide further recommendations on the student's behalf.

The following policies will apply to all students entering Centenary as transfer applicants:

1) Credit is transferred only from other regionally accredited colleges and universities in which a grade of "C" or better (or a "P") has been earned, and only for courses in academic disciplines offered at Centenary. Some courses not regarded as college-level (such as remedial course work) or as consistent with the liberal arts tradition may not be transferred or credited towards a degree. Grades from other institutions are not transferred, and cumulative averages are calculated only on work done at Centenary except for the calculation of graduation honors and rank in graduation class;

2) Electronic and distance learning courses will be treated as regular courses if under the direct supervision of Centenary faculty, the appropriate contact hours for faculty and student interaction are maintained, and these courses are administered within the regular semester or module structure. These criteria will also be applied to evaluate credit sought for distance learning from other colleges;

3) After earning sixty-four (64) transferable semester hours at a two-year post-secondary college, a student may not take additional work at a two-year college and have it apply toward a degree from Centenary;

4) A student must complete all college, major, and supportive requirements to obtain a Centenary degree;

5) A formal evaluation of transferable credit will not be made until all official

transcripts or records for all college work attempted have been submitted, and the student has been admitted and has paid the necessary admission fees and enrollment deposit;

6) Transfer students who have completed an equivalent course to Centenary's English 101 will be exempt from taking English 101. Students enrolling at Centenary who have transferred 27 hours or more that include two semesters of English will not have to participate in the FYE program.

Application Procedures for International Students

Centenary welcomes the applications of students from other countries. International students are candidates for admission who are not citizens of the United States and who do not possess a permanent residential visa. Overseas applicants are strongly encouraged to submit application materials well in advance of the posted deadlines (see "First-Year" and "Transfer" sections). The College adopts as its official policy for international student admission the guidelines published by the American Association of Collegiate Registrars and Admissions Officers in its World Education Series.

The Admissions Committee will only review a complete international application, which consists of the following items:

1) A completed application form;

2) A non-refundable $30.00 application fee;

3) Certified copies of originals or relevant school records and diplomas and translations thereof, if not written in English (faxes, advisement and student copies are not official);

4) SAT I, ACT, or a Test of English as a Foreign Language (TOEFL) with a score of 550 on the paper test or 213 on the computer-based format (required of all non-native speakers of English);

5) International transfer students must have an official college transcript mailed directly from each college attended;

6) A completed statement of financial responsibility – listing sources of income to pay for attending Centenary for one year;

7) At least one letter of recommendation from a teacher, college professor or advisor, but additional sources are also welcomed to provide further recommendations on the student's behalf;

8) A health certificate.

Application Procedures for Part-Time Students

A part-time student is a person enrolled at Centenary who is degree-seeking and who is enrolled for less than twelve semester hours per term. Admission requirements, policies and deadlines are the same as those for full-time transfer or freshman applicants. Part-time students are not eligible for Centenary scholarships or grants, but federal financial aid programs may be available to eligible students who file the FAFSA.

Application Procedures for Special Students

A special student is defined as a person enrolled at Centenary on a non-degree-seeking basis. Applicants should submit the application for admission along with the application fee. High school and/or college transcripts may be requested of applicants wanting to enroll in upper-level classes. Non-degree students may enroll for courses without regard to graduation requirements but must meet all prerequisites for courses chosen. Financial aid is not available for non-degree-seeking students. Non-degree students may not

represent the College in extracurricular activities.

Non-degree students wishing to apply for admission to a degree program at Centenary must reapply as a degree-seeking candidate, provide full academic credentials and meet admission requirements. Work completed at Centenary will weigh heavily in the evaluation of candidate's application for admission.

Application Procedures for Readmission

A student who has withdrawn from Centenary and who wishes to return must complete a special application form, which is available in the Office of Admissions. Priority application deadlines are February 15 for the fall semester, December 1 for the spring semester, and June 1 for summer school. An interview with an admissions counselor is required. All re-admit applicants must submit a letter informing the Committee of his/her activities since leaving the College and why it is their wish to return. Applicants must also supply a letter of recommendation from a professor at Centenary who previously taught them.

Application Procedures for Visiting Students

Students enrolled at other colleges may take courses at Centenary in any semester or session, provided they are in good academic standing at the college where they are enrolled as regular students. A formal transfer application and application fee are required, along with a letter of good academic standing from the dean or registrar of the college. Visiting students must meet all course prerequisites before being allowed to enroll. No financial aid is available for visiting students.

Early Admission Guidelines

Gifted students completing their junior year in high school may apply to the College for admission as full-time students. Students entering under this early admission program begin their college-level studies early, but they do not receive their high school diplomas from Centenary. The admission requirements for early admission are stringent:

1) 3 units of English, 3 units of math, 2 units of natural science (with lab), 2 units of social science, and 2 units of foreign language (same language);

2) written recommendations from high school principal and guidance counselor, indicating potential for collegiate study and verification that the student will receive a high school diploma upon satisfactory completion of the freshman year at Centenary;

3) standardized test scores from the ACT (a minimum composite score of 26) or SAT I (a combined score of 1180 with a Verbal score of at least 600);

4) a minimum grade point average of 3.5 (on a 4.0 scale) or above in academic courses;

5) a written essay outlining the reasons for leaving high school early and outlining academic goals;

6) a personal interview with an Admissions counselor;

7) application must be received by February 15 and will be reviewed as part of the Regular Decision process.

Concurrent Enrollment

Outstanding high school seniors who wish to take courses at Centenary while continuing work toward the high school diploma may apply for concurrent enrollment. The standards for admission to this program are the same as for early admission. High school credit for work done at Centenary may be granted only with the approval of the high

school administration, and students should seek this approval prior to enrollment in Centenary classes.

High school students (rising juniors and seniors) may enroll in Summer Session courses for credit or on an audit basis, when approved by the Office of Admissions as a non-degree-seeking students. All high school students will be asked to complete a brief application for admission, submit a recent copy of their high school transcript, and meet all prerequisites for the intended course work. A grade point average of "B", or 3.0 (on a 4.0 scale), in completed high school course work is required. Students will be limited to no more than six hours of course work per summer. Students will also be limited to enrolling in courses designated in the schedule as open to high school students. Those students enrolling in courses for credit will have the courses and grades posted on a Centenary transcript.

Students wishing to take courses on an audit basis will not receive a grade or academic credit. All students will be required to declare whether they are taking the class for credit or on an audit basis when the application is submitted for consideration. Admission to Centenary College on concurrent enrollment status or for Summer Session does not guarantee admission to Centenary as a full-time student after graduation from high school.

College Level Examination Program (CLEP)

Awarding of CLEP credit for subject exams will be done automatically by the registrar. CLEP credit will not be awarded in any discipline in which the student has neither earned academic credit at, nor transferred credit to, Centenary. The CLEP-GE may not be repeated for credit.

Subject Examinations (SE)

1. Credit will be awarded to students who score at or above the 50th percentile on most Subject Examinations approved by the department appropriate to the examination.
2. Specific course credit (course title and hours credit) will be awarded by the registrar after consultation with the appropriate departmental chairperson.

Credit from all forms of non-traditional work—CLEP-GE, CLEP-SE, correspondence or extension courses, the Defense Association for Non-Traditional Educational Services of the armed forces, Advanced Placement, departmental proficiency examinations, military service experience and training, and all other—may not exceed forty hours, no more than twenty-four of which may be from any one of the categories listed above.

Advanced Placement

Centenary participates in the Advanced Placement program of the College Entrance Examination Board. Advanced Placement credit will not be given for scores below 3. The following departmental guidelines have been established:

Department	A.P. Score	Credit Hours	Courses
Art History	4 or 5	4	ART 295 (elective only)
Biology	3	4	BIOL 101
	4 or 5	8	BIOL 101 and 4 credits of elective 295
Chemistry	3, 4, or 5	8	CHEM 121, 122, 123, 124
Computer Science	4 or 5	3	CSC 104
Economics Micro	4	3	ECON 151
Economics Macro	4	3	ECON 295 (elective only)

English*			
Literature & Comp	4 or 5	3	ENGL 102
Language & Comp	4 or 5	3	ENGL 102
Foreign Languages**	3	8	FLNG 101, 102
	4 or 5	14	FLNG 101, 102, 201, 202
European History	4 or 5	3	HIST 103
U.S. History	4 or 5	6	HIST 205, 206
Mathematics	4 or 5 AB Test	4	MATH 115
	4 or 5 BC Test	8	MATH 115, 201
Physics and Engineering***			
	4 or 5 (mechanics)	4	PHYS 104, 114
	4 or 5 (electricity and magnetism)	4	PHYS 105, 115
Psychology	4 or 5	3	PSY 101
Sociology	4 or 5	3	SOC 101

For Further Information

You are encouraged to contact the Office of Admissions by mail, telephone or email:

Office of Admissions
Centenary College of Louisiana
2911 Centenary Blvd., P.O. Box 41188
Shreveport, LA 71134-1188
(318) 869-5131 or (800) 234-4448
admissions@centenary.edu or www.centenary.edu

*If a student achieves scores of 4 or 5 on both exams, 3 hours of credit will be awarded for ENGL 102 only.

**Students with at least two years of a foreign language in high school or competence in a foreign language for other reasons are required to demonstrate their level of proficiency through examination prior to enrolling in a foreign language course or during the first week of classes. Students may receive from 4 to 14 hours of credit (101, 102; 201, 202) for examinations in French, German, or Spanish administered by the Department of Ancient and Modern Languages during fall orientation.

***Only Advanced Placement TEST C will be accepted.

Expenses and Financial Aid

Centenary College is a non-profit institution. The tuition, fees, and other charges paid by the student cover less than half the actual cost of the educational opportunity. The remainder of this cost is borne by income from endowments and from the generosity of friends of the College and of The United Methodist Church. In this way, the cost to the student is kept at the lowest possible amount consistent with adequate facilities and superior instruction. An excellent program of financial aid is available to worthy and needy students.

Basic Expenses for 2002-2003 Incoming Students
Fall and Spring Semesters

These expenses total $11,000.00 per semester (tuition, fees, room, and board). Books and personal expenses are additional.

Tuition: .....$8,000.00 per semester

Student Fees Total: .....$225.00 per semester

(Includes **student activity fee,** accident insurance fee, health services fee, computer access fee)

Surcharge for the School of Music: .....$125.00 per semester

Room: .....Double: $1,375.00 per semester
Single: $2,000.00 per semester
Cline Double: $1,250.00 per semester
Cline Single: $1,800.00 per semester

Rotary Suites: .....Double: $1,500.00 per semester
Single: $2,100.00 per semester

The charge for local telephone service, cable television and residence hall programming is included in the room rate.

Board: .....$1,400.00 per semester (Full Meal Plan)
$1,000.00 per semester (7-Meal Plan – Jr./Sr. Only)
$340.00 per semester (50-Meal Plan – Commuters Only)

The tuition and student fees apply to all registration in the normal full-time range of 12 to 18 hours and all graduating seniors, regardless of hours enrolled. Any registration for less or more than these limits is charged the tuition rate of $535.00 per semester hour.

This rate also applies to students in the evening classes offered by the College. Students taking fewer than 12 hours will pay a student fee of $40.00.

Expenses for Module (2003)

Single Room and Board:.....$445*

Double Room and Board:.....$390*

Students must complete one Module course. Two Module courses may be accepted toward the 124 hours required for graduation.

Expenses for the Summer Session (2002)

Tuition: .....$230.00 per semester hour

Student Fee: $30.00

Surcharge for the School of Music: $125.00

*See housing form for more details on board plans.

Room: .....Double: $265.00
Single: $330.00
Board: $300.00*
The above room and board charges are for the full five-week session.
Normally, financial aid is not available for the summer session.

Special Fees

Other special and generally non-recurring fees are:
Application fee (non-refundable).....$30.00
New student fee (non-refundable) .....(Fall) 125.00
(Spring) 25.00
Enrollment change (per change)[1].....10.00
Identification card replacement 10.00
Late registration fee.....50.00
Parking fee for day students (yearly) 25.00
Room deposit and warranty (refundable,
subject to damage charges) 60.00
Change of residence hall room (after
the deadline date to add courses).....10.00
Student teaching fee 125.00

Other Special Fees

A student health insurance fee of $167.50 per semester for students enrolled in six hours or more is charged if the insurance waiver form is not completed and approved by the student health services office.

A laboratory fee of $45.00 per course hour is charged for use of science laboratories and for materials in science, art and other instruction involving consumable supplies. This fee does not cover charges for breakage.

A nominal charge may be levied for off-campus courses in physical education such as bowling and golf. These charges will be paid by the student directly to the off-campus parties levying the charge.

The tuition surcharge of $125.00 per semester for students in the School of Music curricula covers all applied music and instrumental rental fees. Non-music majors and part-time students who wish to register for applied music courses will pay $125.00 per applied area. The cost of books, music, and other supplies will vary with the student's curriculum. In most cases the annual expense will be approximately $600.00.

The course offerings, rules, regulations and fees appearing in this catalogue are announcements. They are not to be construed as representing contractual obligations of Centenary College, which reserves the right to change its courses of instruction, fees, charges for room and board, and general and academic regulations without notice should circumstances warrant in the judgment of the College.

Payment of Fees

Matriculation in the College is an implied contract by which the student accepts all regulations of the College, including those governing payment and refunds. Charges are made by the semester, and they are payable by the semester. Payment of semester charges, or arranging to pay them, is a part of the registration process. Enrollment has not been completed until the student has paid the fees or has made satisfactory arrangement with

1 No charges first 7 days of classes of a semester.

the Business Office. Students who are more than ten days delinquent in payment of any fees may be suspended from the College. No transcripts will be issued until all financial obligations to the College have been met.

There are several acceptable methods of payment:

1. Total semester costs (tuition, fees, and room and board, if applicable) are payable at the beginning of each semester.
2. Total tuition, room, board and fees for the year are divided into ten equal payments beginning in July and ending in April. There is a non-refundable charge of $50.00 for this method of payment. Payments are due on or before the 15th of the month.* (Ten Month Payment Plan)

3a. One half of the total fall semester cost (tuition, fees and room and board, if applicable) is due on or before August 16th and the remaining balance in three equal installments on September 1st, October 1st and November 1st. There is a non-refundable charge of $50.00 for this method of payment.* (Installment Plan)

3b. One half of the total spring semester cost (tuition, fees and room and board, if applicable is due on or before January 3rd and the remaining balance in three equal installments on February 1st, March 1st and April 1st. There is a non-refundable charge of $50.00 for this method of payment.* (Installment Plan)

4. Mastercard/Visa/Discover is also available and may be used with any of the above payment options.
5. a. For each summer session, the entire amount is payable upon registering, or
   b. One half of the total summer session cost is due at registration and the remaining balance 10 days after beginning of session. There is a charge of $20 for this latter method.*
6. The student must satisfy all financial obligations to the College in order to participate in the College commencement and baccalaureate ceremonies.

* A monthly finance charge, equal to 1% of balance, will be added if payments are not received by the due dates listed above. There is a $25 fee for each check that is returned from the bank.

Withdrawals and Refunds

Failure to attend classes does not constitute a withdrawal. Official withdrawal is the date the student receives the approval of the Provost of the College to withdraw, and all institutional refunds are based on that date, regardless of the date of last attendance. In addition, there are academic penalties for failure to complete the proper procedures; for these, see page 55.

Prior to obtaining a withdrawal form, students receiving financial aid should consult the Financial Aid Director. A withdrawal form, available at the office of the Provost of the College, must be filed immediately by a student who withdraws from the College after he or she has registered for classes in a regular session, summer session, or module. The completed form bearing the proper signatures must be filed at the Office of the Registrar.

Fall and spring semester tuition and refundable fees are refunded if the student withdraws on or before the 7th class day after registration. A service charge of $25 will be made for withdrawal even if the student does not attend class. After the 7th class day, the following policy applies:

1. All fees are charged.
2. Between the 8th day of classes and the 3rd Friday after classes begin, three-fourths

of tuition is refunded.

3. Between the 3rd Friday and 4th Friday after classes begin, one-half of the tuition is refunded.
4. After the 4th Friday of classes, no refunds are given, unless the student is a federal funds recipient.
   a. Federal aid is earned in a prorated manner on a per diem basis based on the academic calendar up to the 60% point in the semester. Federal aid is viewed as 100% earned after that point in time. A copy of the worksheet used for this calculation can be requested from the Business Office or the Financial Aid Office.
   b. When aid is returned, the student may owe a balance to the college. The student should contact the Business Office to make arrangements to pay the balance.

Room and Board Refund

1. Room rent cannot be refunded regardless of date of withdrawal.
2. Board for that part of the semester which has not been used will be refunded regardless of the date of the official withdrawal.
3. Students who are separated from the College as the result of disciplinary action forfeit all refund rights.
4. Students whose housing exemption requests are received and approved after the deadline stated in the Student Handbook will be charged a $200.00 late fee.

Summer Session Withdrawal and Refunds

Summer session tuition and refundable fees are refunded if the student withdraws on or before the first Friday of classes. A service charge of $25 will be made for withdrawal even if the student does not attend class. After the first Friday of classes, the following policy applies:

1. All fees are charged.
2. After the first Friday of classes, no refunds are given.

Summer School Room and Board Refund

1. Room rent cannot be refunded regardless of date of withdrawal.
2. Board for that part of the semester or summer session which has not been used will be refunded.
3. Students who are separated from the College as the result of disciplinary action forfeit all refund rights.

Refunds of Federal Programs

Refunds of federal programs are distributed back to the various programs in the following order, up to the full amount received from each program for the semester: Federal Unsubsidized Stafford Loan; Federal Subsidized Stafford Loan; Federal Perkins Loan Program; Federal Parent Loan Program (PLUS); Federal Pell Grant; Federal SEOG; LEAP (formerly SSIG).

Dropping Courses

Non-attendance of class does not constitute a drop. There will be no tuition or fee adjustments for dropping courses after the 7th day of classes while the student continues in other courses.

Student Financial Aid

Financial Assistance

Centenary College offers financial aid to help students meet their educational expenses. Centenary's program is supported by Federal and State funds, as well as by the College's own resources.

At Centenary most assistance is awarded on the basis of financial need, but significant amounts are awarded on the basis of scholarship, leadership, athletic ability, talent, or career plans. Application for financial aid should be made through the Office of Financial Aid, whose primary objective is to arrange for a grant, scholarship, loan, or employment, or a combination of these for which a student is eligible. Applicants for aid based on financial need must submit the Free Application for Federal Student Aid (FAFSA) to determine the assistance for which the student is eligible. Appropriate forms may be obtained from high school guidance offices or from the financial aid office at any college or university.

Through generous gifts by friends of the College, a number of scholarships have been established. Although these funds are applied in accordance with the terms of each gift, some general policies may be noted. Four-year academic scholarships are automatically renewed each year if the student has maintained the required grade point average. Other scholarships are awarded for one year but may be renewed if the student reapplies and continues to meet the specific guidelines.

Loans and work are the only forms of financial assistance available for use in summer school. Centenary scholarships are not available in the summer.

Satisfactory academic progress is required to maintain eligibility for all aid programs. See the next section for the Satisfactory Academic Progress Guidelines.

Aid based upon financial need may not be awarded in excess of the amount the student needs for education expenses. No Centenary scholarship or grant, or combination of grants which includes one from Centenary, can exceed the comprehensive costs for resident students. Normally, none will exceed tuition and fees for a commuting student. If a student's need is greater than these limits, the need may be met with a loan or work award.

The person designated by Centenary to provide financial information to students is the Director of Financial Aid. The Financial Aid Office is located in Hamilton Hall, Room 132. Office hours are 8:00 to 4:30 Monday thru Friday. Appointments are suggested but not required. The telephone number is (318) 869-5137 or 1-800-234-4448.

To be considered for financial aid at Centenary College, a student must be accepted for admission to Centenary College and must submit the Free Application For Federal Student Aid (FAFSA) to the Department of Education; this form must be filed to be considered for a combination of federal and institutional aid.

When the student has been accepted for admission and the above steps completed, a student will be considered for all financial aid sources available at Centenary College. Priority will be given to students who have completed these steps and submitted all requested information by March 15 prior to the academic year for which aid is desired. After this date consideration will be on a "first come, first served" basis.

SPECIAL NOTE: All financial aid awards are made for just one year at a time. Returning students must complete the FAFSA each spring prior to the next academic year for which

aid is desired. Failure to complete these steps by March 15 could result in a reduction or denial of financial aid for the next academic year.

Satisfactory Academic Progress Guidelines

A. Undergraduate—full-time. All full-time undergraduate students receiving financial aid are subject to the following minimum academic requirements. It should be noted, however, that undergraduate full-time students are expected to complete their degree programs in eight semesters.

Semesters Completed	1	2	3	4	5	6	7	8
Minimum No. of Credit Hours Completed	12	24	36	48	60	72	84	96
Current or Cumulative GPA	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0

NOTE: Transfer students (other than freshmen) must achieve a minimum 2.0 grade point average in their first semester at Centenary and thereafter meet the minimum academic requirements.

B. Undergraduate—part-time. Undergraduate part-time students receiving financial aid are expected to complete at least fifteen credit hours per academic year. These students may receive financial aid for twelve semesters.

Semesters Completed	1	2	3	4	5	6	7	8	9	10	11	12
Minimum No. of Credit Hours Completed	6	15	21	30	36	45	51	60	66	75	81	90
Current or Cumulative GPA	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

C. Graduate—Master of Education or Geology. In order to receive benefits under the Stafford Student Loan program, a graduate student in the Master of Education or Geology program must be enrolled in and complete at least six credit hours per semester (fall and spring terms) or three credit hours per summer session (for a total of six credit hours during the summer). These students may receive financial aid for six semesters.

D. Graduate—Master of Business Administration. In order to receive benefits under the Stafford Student Loan program, a graduate student in the Master of Business Administration program must be enrolled in and complete at least two ten-week courses per regular academic semester. (That is, at least two courses between August and December and between January and May. Special provisions will be made for those students enrolled during the summer months.) Because the student is not registered for each course until two weeks after the session has begun, loan proceeds will not be disbursed until the student is registered for the second consecutive session. These students may receive aid for the equivalent of six semesters.

E. Failure to maintain satisfactory progress. If, as a result of (1) poor grades; (2) course incompletes; and/or (3) withdrawals, a student fails to earn the minimum grade point average or the required number of credit hours, that student will be placed in a "grace" period for one semester. If at the end of that period, the student has not completed the necessary number of hours for the current semester enrolled with the minimum grade point average, then that student will no longer be eligible to receive financial aid. If the student does achieve the necessary hours and grade point average at the end of the "grace" semester, the student will continue to be eligible to receive financial aid.

F. Students who re-enroll at Centenary College after academic suspension will not be eligible for financial aid for that semester.

G. Any student with a 0.0 GPA in a given semester will be ineligible for financial aid the next semester he/she is enrolled.

H. Appeals and reinstatement of financial aid eligibility. Students may have legitimate reasons for not maintaining satisfactory progress or not completing their degrees in the number of semesters required. In these cases, students may petition the Scholarships and Financial Aid Committee to continue to receive financial aid.

1. The student petition and the decision of the Committee will be in writing and will become a permanent part of the student's file. If a student petition is approved, the Financial Aid Office will revise or update the number of credit hours to be completed during each successive semester for that individual student.
2. In cases where no appeal is made or where the student petition is denied, the student will be ineligible for financial aid during the next semester enrolled.

Centenary College Grants and Scholarships

Centenary College Academic Scholarships. Scholarships awarded to full-time students who demonstrate above average academic potential.

Hurley School of Music Scholarship. For students majoring in music or participating in one of the music ensembles. Recipients are selected by the School of Music after an audition.

Choir Scholarship. For members of the Centenary College Choir. Recipients are selected by the Director of the Choir.

Church Careers Scholarship. For students who are accepted into the Church Careers Institute.

Faculty/Staff Dependent Grant. For dependents of eligible Centenary faculty and staff.

Methodist Minister's Dependent Grant. For full-time students who are dependents of a United Methodist minister.

Resident Assistant Grant. Stipend for selected upperclassmen.

Athletic Grants

Athletic Grants-In-Aid are available in the following sports:

Men's—basketball, baseball, golf, tennis, cross country, soccer, riflery, swimming.

Women's—tennis, cross country, riflery, gymnastics, soccer, softball, volleyball, basketball, golf, swimming.

Application should be made through the athletic department.

Permanent Scholarships

Acadiana District United Methodist Annual Scholarship. For students accepted into the Church Careers Institute.

Wes Alford Memorial Endowed Scholarship. To defray the tuition costs of members of the Centenary College Choir.

Agnes A. Allen Endowed Scholarship. For a worthy student in the Church Careers Institute.

Grace Mims Allums - Mary Mims Annual Scholarship. For an entering freshman who has demonstrated scholarship and Christian leadership.

Altrusa Club of Shreveport Endowed Scholarship. For worthy students in need

who are residents of Louisiana.

Alumni Classes of 1930-35 Endowed Scholarship. No restrictions.

Alumni Class of 1936 Golden Anniversary Endowed Scholarship. No restrictions.

Alumni Class of 1937 Anniversary Golden Endowed Scholarship. No restrictions.

Alumni Class of 1938 Anniversary Golden Endowed Scholarship. No restrictions.

Alumni Class of 1939 Anniversary Golden Endowed Scholarship. No restrictions.

Alumni Class of 1940 Golden Anniversary Endowed Scholarship. No restrictions.

Alumni Class of 1941 Golden Anniversary Endowed Scholarship. No restrictions.

Joseph and Gloria Anderson Endowed Scholarship. For worthy students in the Church Careers Institute in need of financial assistance.

Will K. Andress Endowed Scholarship. To defray the tuition costs of members of the Centenary College Choir.

Ark-La-Tex Drilling Association Scholarship. For an outstanding student majoring in Geology or Petroleum Land Management. A 3.0 GPA must be maintained.

Tracy R. Arnold Memorial Endowed Scholarship. For a worthy student in the Church Careers Institute.

Atchley Family Endowed Scholarship. Students who demonstrate financial need and remain in good standing.

John B. Atkins, Jr. Memorial Endowed Scholarship. For a worthy student who maintains a B average.

Callie Avery Endowed Scholarship. For an outstanding Methodist ministerial student in need of financial assistance.

Mary Susan Bailey Scholarship. For worthy students in need of financial assistance.

Azalea Estella Baird Memorial Scholarship. To aid students in art studies.

George O. Baird, Jr. Memorial Scholarship for Church Careers. For a needy and worthy student in the Church Careers Institute.

William Russell Barrow Memorial Endowed Scholarship. Awarded to a Trustee Scholar.

M. L. Bath-Rotary International Endowed Scholarship. Offered annually to a worthy foreign student who desires to study in this country.

Baton Rouge District United Methodist Church Scholarship. For a worthy student from the Baton Rouge District of the UMC.

Susan R. Bauguss Scholarship. For deserving women students.

Reverend and Mrs. James L. Beasley Endowed Scholarship. For a student in the Department of Religion.

Luther and Marie Beene Vocal Scholarship. Restricted to students majoring in voice.

The Paul and Myrtle Bender Memorial Scholarship. For an outstanding senior/junior majoring in one of the physical sciences or mathematics.

Biedenharn Foundation Annual Scholarship. For outstanding students in the

Church Careers Institute.

John Henry and Mattie Hunt Blakemore Endowed Scholarship. No restrictions.

Mary Davidson and Alva Guy Blanchard Endowed Scholarship. For worthy students in any academic major..

Dr. Henry C. Blount Endowed Scholarship. For a U.S. citizen with preference for a Louisiana native.

Boddie-Baker Memorial Endowed Scholarship. For a student in the Church Careers Institute.

Luci Bond Endowed Performing Arts Scholarship. For a worthy student in music, theatre, or dance.

Eugene and Juanita Brady Endowed Scholarship. For needy students.

Joseph B. Bramlette Endowed Scholarship. For an outstanding student majoring in English.

Broadmoor UMC/BR Fellowship Class Annual Scholarship. First preference to a member of Broadmoor UMC in Baton Rouge. Second preference to a student preparing for Christian ministry.

Frederick Victor Brook Endowed Scholarship. For a worthy student.

Paul Marvin Brown, Jr. and Willie Cavett Brown Presidential Scholarship. For worthy students in need of financial assistance.

Shannon Brown Memorial Endowed Choir Scholarship. For a member of the Centenary Choir with need.

Former Employees of Brown-Roberts Endowed Scholarship. For a student in the Church Careers Institute.

Harvey and Alberta Broyles Endowed Choir Scholarship. For worthy members of the choir.

Harvey Broyles Endowed Scholarship. For a student in need of financial assistance who works part-time during the semester.

Marion Murphy and Vera M. Buchanan Endowed Scholarship. For a worthy student in need of financial assistance.

Burkhalter Endowed Presidential Scholarship. For a worthy student majoring in geology.

Robert Buseick Theatre Scholarship. Awarded to a student majoring in theatre.

Eloise Bell Campbell Scholarship. Preference given to male pre-med majors.

Canterbury and Vardeman Endowed Scholarship. For a male basketball player who has completed athletic eligibility and who can complete academic requirements in the summer and succeeding year.

Martha Cappel Memorial Scholarship. For outstanding students in financial need.

Dr. Virginia Carlton Math Scholarship. For a freshman who excels in mathematics.

Frank Carroll Memorial Endowed Scholarship. For a senior music major, based on merit.

Nancy M. Carruth Endowed Scholarship. First preference to a student from Bunkie, Louisiana.

Centenary Women's Club Endowed Scholarship. For an outstanding student in need of financial assistance. Recipient must maintain a 3.0 grade point.

Chemistry Department Endowed Scholarship. For outstanding chemistry majors.

Nancy M. Christian Endowed Scholarship. For a qualified student.

T. C. and L. C. Clanton Memorial Scholarship. For an outstanding ministerial student scholastically worthy and in need of financial assistance.

Jane Colley Cochran Endowed Scholarship. Students of any major who demonstrate financial need.

Walter T. Colquitt Memorial Endowed Scholarship. For a worthy student in need of financial assistance.

Sidney E. Cook Memorial Endowed Scholarship. For students with a minimum GPA of 3.0 working toward degrees in business administration, pre-law or pre-med.

R. Leonard Cooke Endowed Scholarship. For a Methodist student who is studying for ministry. A 3.0 GPA must be maintained.

Clarence Coon Journalism Scholarship. For students of high academic standing enrolled in the journalism program and majoring in English.

Willard and David Cooper Endowed Art Scholarship. For art supplies for an upperclass art major; awarded at the discretion of the art department chairperson.

L. Hughes Cox Endowed Scholarship. A sophomore student who has declared a major or minor in Philosophy and maintained a 2.5 cumulative GPA. The student shows promise in the study of Philosophy.

Dennis E. and Rosa M. Crouch Memorial Endowed Scholarship. To aid a worthy student in need of financial assistance.

Wayne Curtis Memorial Endowed Scholarship. For a worthy student in need of financial assistance.

Daughenbaugh-Matheny Scholarship. For students interested in careers in Christian education and full-time Christian service.

Bryant Davidson Memorial Scholarship. Preference given to a needy student interested in philosophy.

Jane A. Davies Memorial Endowed Scholarship. Member of Church Careers Institute.

Jones A. Davis Endowed Scholarship. For worthy students in need of financial assistance who rank high scholastically.

Jones B. Davis Scholarship. For a deserving student from the Baton Rouge area.

James F. and Georgia T. Dean Endowed Scholarship. Preference given to biology and/or chemistry majors.

Desk and Derrick Club Annual Scholarship. For a deserving student majoring in geology.

Reverend Dr. Markham Allen Dickson Annual Scholarship. For students taking courses in Latin or Greek and working at Morris and Dickson Company LTD.

Walter L. Dobie and Ruth Dobie Memorial Endowed Scholarship. For a needy student who shows promise of academic success and whose social and academic behavior are acceptable. The recipient should plan to set up his/her own scholarship fund following graduation.

Marlin W. Drake, Sr. Memorial Scholarship. For a worthy student.

Dresser Endowed Scholarship. For children of employees of Halliburton Company and its subsidiaries, pursuing any major and who have a 3.0 GPA.

Lonnie S. Dyess, Sr., Memorial Scholarship. For a history major with a minimum 3.0 GPA.

Marguerite Herries Edwards Memorial Scholarship. For worthy students who study a foreign language as an enhancement to their regular course of study.

Mr. and Mrs. Robert Eggerton Endowed Scholarship. For a worthy student.

Howard M. Elder Memorial Endowed Scholarship. For an entering freshman student affiliated with the Methodist Church. Preference for those planning to study for a career in education or a church-related vocation.

Joyce and Horace English Endowed Scholarship. To defray the tuition costs of students of the Hurley School of Music.

John B. Entrikin Memorial Endowed Scholarship. For a promising junior or senior majoring in chemistry with need for financial assistance.

Express Personnel Services Annual Scholarship. For a student in the Centenary Choir who is in need of financial assistance.

Wayne and Velma Fallin Endowed Scholarship. For a female student who plans to enter full-time church service.

Hazel and Claude Fendlason Scholarship. For students who plan to enter the ministry of the Methodist church. Selected by St. John's United Methodist Church, Baton Rouge.

Ernest and Grace Ferguson Scholarship. For worthy students in need of financial assistance.

First United Methodist Church of Baton Rouge Annual Scholarship. First preference to students from the First UMC of Baton Rouge.

First United Methodist Church of Lake Charles Scholarship. For students accepted into the Church Careers Institute. Preference given to members of First UMC, Lake Charles.

First United Methodist Church of Minden Scholarship. For worthy students from First UMC of Minden interested in Christian ministry and Christian education.

First United Methodist Church of Natchitoches Endowed Scholarship. Awarded to a member of the First United Methodist Church of Natchitoches or a member of a United Methodist Church in Natchitoches Parish or a graduate of a Natchitoches Parish school.

First United Methodist Church of Pineville Scholarship. For worthy students.

First United Methodist Church of Ponchatoula Scholarship. For a student selected by the church.

First United Methodist Church of West Monroe – Vera Jordan Circle Endowed Scholarship. For an incoming freshman who is a member of the First UMC of West Monroe.

Lois Phelps and Lionel R. Flaxman Endowed Scholarship. For a worthy student.

Margaret W. Flournoy Endowed Scholarship. For worthy students in need of financial assistance.

Ruth S. Foil Endowed Scholarship. For deserving students.

Dr. Elmer Lee and Mrs. Eva E. Ford Endowed Scholarship. For an outstanding student majoring in French.

William F. Ford Endowed Scholarship. For worthy students in any academic major.

Dr. Arthur M. Freeman Scholarship. For a worthy minority student in need of financial assistance.

Katherine Jackson French Memorial Scholarship. For a woman student of outstanding ability, majoring in English and intending to teach.

Daisie Dell Garber Scholarship. For students entering varying fields of church service.

Jan and Dorothy Garber Music Scholarship. For a worthy student in the field of music. First preference to a student specializing in violin or other string instrument.

Donald Irving Garner Memorial Endowed Scholarship. For a student in the choir with financial need.

E. B. Germany Endowed Scholarship. For worthy students in need of financial assistance.

Billy T. and Shirley J. Giles Endowed Scholarship. For a worthy freshman entering the Church Careers Institute.

Goins Family Endowed Scholarship. For a student who is a member of the Centenary College Choir and remains in good academic standing.

Jeffery Lane Goodson Memorial Scholarship. For a geology undergraduate or graduate student in need of financial assistance.

Robert L. and Jessica H. Goodwin Endowed Scholarship. For a worthy student in need of financial assistance.

Audrey Gordon Endowed Scholarship. For a needy student majoring in education.

Randy Greve Memorial Scholarship. For a student of high scholastic standing in need of financial assistance.

Adell Biedenharn Gwinn Endowed Scholarship. For worthy and needy students.

Dr. Robert N. Hallquist Memorial Scholarship. For a student studying to be a teacher.

Mr. and Mrs. David P. Hamilton Scholarship. For worthy students majoring in science in need of financial assistance.

Lester Harford Hammond, Jr., Memorial Endowed Tennis Scholarship. For a freshman or sophomore student.

Thomas Edgar and Opal Lewis Hampton Memorial Endowed Scholarship. For a choir member majoring in education.

Dean John A. Hardin Memorial Endowed Scholarship. For worthy students in need of financial assistance.

Quintin T. Hardtner, Jr. Memorial Endowed Scholarship for Presidential Scholars.

Frances Andrews Harkrider Memorial Endowed Scholarship. Awarded to worthy students in need of financial assistance.

Gertrude Harkrider Scholarship in Memory of Mr. and Mrs. John A. Harkrider. For worthy students in need of financial assistance.

Harman Memorial Scholarship. For students of high scholastic standing in need of financial aid.

Jolly Harper Endowed Scholarship. For a student in the Church Careers Institute.

Virginia Palmer Harris Endowed Scholarship. Awarded to a student who is Methodist from the LA conference and maintains at least a 3.0 GPA.

Harrison British Studies Endowed Scholarship at Oxford. Supports a student in English for the six-week summer program. The recipient must be an English major and

be an outstanding student whose participation would enhance the Oxford experience for all present. Also, the student must have need and who otherwise could not attend.

O. D. Harrison, Sr. Memorial Endowed Scholarship. For a worthy student.

Hart-Lawrence Endowed Scholarship. For a worthy student in Christian education.

Shirley Hawn Endowed Music Scholarship. For a graduating high school senior who is outstanding in music and in financial need.

Verne Hawn Art Scholarship. For a promising incoming freshman majoring in art.

William Randolph Hearst Endowed Scholarship. For worthy students who demonstrate financial need and strong academic performance.

Dorothy Ruth S. Heller Memorial Scholarship. For students of high scholastic standing in need of financial assistance.

Dr. J. V. Hendrick Endowed Scholarship. First preference to pre-med related majors with financial need.

William L. Henning Family Endowed Scholarship. For a Church Careers Institute or religion student.

Willis Munn Herring Memorial Endowed Scholarship. Awarded to the Valedictorian, Salutatorian, or third-ranked student from a high school in Webster Parish.

Hibernia National Bank Endowed Scholarship. For a worthy student from Shreveport-Bossier majoring in business.

Margaret H. and O. Kenneth Hickman Memorial Endowed Scholarship. For a worthy student who is not an athlete.

Elizabeth K. Hicks Memorial Endowed Scholarship. For an academic scholarship for a student with an ACT composite of 24 or SAT composite of 1100 and a cumulative GPA of 3.0.

Mamie B. Hicks Memorial Scholarship. For piano students preferably from North Louisiana.

David Franklin Hinton Memorial Scholarship. For an outstanding student majoring in biology or another pre-med subject.

J. T. Hitchcock Memorial Scholarship. For a needy student with a GPA of 3.0 or better.

Hoaas-Christensen Endowed Scholarship. A sophomore student who has declared a major in economics & maintained a 2.5 GPA. The student shows promise in the study of econometrics or statistics as determined by the economics professor of the Frost School of Business.

A. J. and Nona Trigg Hodges Annual Choir Scholarship. For members of the Centenary College Choir.

Holiday-In-Dixie Diplomats Scholarship. Business major from Caddo-Bossier area.

Donna Lou Valliere Horn Memorial Scholarship. For a worthy student majoring in elementary education.

Amanda Howell Memorial Endowed Scholarship. For needy students of high scholastic standing.

Gordon and Freda Hoyer Memorial Endowed Scholarship. Awarded to worthy and deserving students.

Elizabeth Pettet Hughes Memorial Endowed Scholarship in Education. Education major who demonstrates financial need.

Ed E. and Gladys Hurley Endowed Scholarship. For worthy students in need of financial assistance, awarded by the Dean of the School of Music.

Charles Moore Hutchinson Memorial Endowed Scholarship. For students in need of financial assistance.

James "Graham" Ivy Memorial Endowed Scholarship. For students in need of financial assistance. First preference goes to tennis players.

Mildred and John H. Johnson, Jr. Endowed Scholarship. For worthy students.

Jesse H. and Mary Gibbs Jones Endowed Scholarship. For worthy students in need of financial assistance.

Joseph H. and Julia B. Jordan Endowed Scholarship. For students of high scholastic standing in need of financial assistance, with preference given to ministerial students.

Lonnie B. and Nellie P. Kilpatrick Memorial Scholarship. For assistance to worthy students; first consideration is given to members of the families of employees of Kilpatrick Life Insurance Company of Louisiana and Kilpatrick's Rose-Neath Funeral Home, Inc.

Nannette D. Kirby Endowed Scholarship. For students majoring in art with special interest in working as a curator in a museum.

Kirsch-McCarter Endowed Scholarship. For a worthy student.

Retha Ransdell Labry Scholarship. For an outstanding English scholar.

Virginia Davis Laskey Endowed Scholarship. For students deserving of a high academic scholarship.

A. McIntyre and Katherine S. Leary Endowed Scholarship. For worthy students.

Philip Lieber Scholarship. For students majoring in economics or business with high scholastic achievement.

Eugene S. Lohrke Memorial Endowed Scholarship. A scholarship for work in the United Methodist Church, particularly the ministry.

Allena Longfellow Memorial Endowed Scholarship. For students enrolled in the Church Careers Institute.

Lon Morris/Centenary Blanton Scholars Scholarship. For transfer students from Lon Morris enrolling in the Church Careers Institute. Selection is based primarily on academic achievement and partially on financial need.

J. C. Love, Jr. Memorial Endowed Scholarship. Four scholarships for outstanding dependents of United Methodist Ministers of the Louisiana Conference.

Walter M. Lowrey Memorial Endowed Scholarship. For students from the Mansfield area.

Walter M. Lowrey Pre-Law Scholarship. For a pre-law student of any major.

Lund Choir Scholarship. For students in the Centenary Choir.

Albert S. Lutz, Jr. Memorial Endowed Scholarship. For a student in the Church Careers Institute.

William N. and Marie L. Lyle Scholarship. For worthy students in need of financial assistance and in superior academic standing.

Joanna G. Magale Endowed Scholarship. For students with financial need.

Helen and Mark C. Magers Memorial Endowed Scholarship. For worthy students in need of financial assistance, with first preference given to Methodist ministerial students.

Dr. Paul Michael Mann Pre-Medical Scholarship. For a worthy student.

Paul and Louise Mann Annual Scholarship. Full support for four years for a pre-med or pre-theology major with a 3.75 high school GPA, minimum SAT composite of 1150 (ACT of 25), who demonstrates financial need and maintains a 3.25 GPA at Centenary.

Mansfield/Grand Cane First United Methodist Church Scholarship. For a student from the Mansfield-Grand Cane UMC or a worthy student from the Mansfield area.

Mr. and Mrs. Robert Olin Marks, Bessie Marks Harrington, Gertrude Mai Marks, and Robbie Olin Marks Memorial Scholarship. Awarded to students with financial need so they may obtain a college education.

Martin Family Endowed Scholarship. Awarded to a worthy student who is an undergraduate, active member of Chi Omega Sorority.

Jeane Sealy Martin Endowed Scholarship. For students who could not attend without financial assistance.

C.W. McCormick Memorial Scholarship. For worthy students.

Chief Master Sergeant of the Air Force James M. McCoy Endowed Scholarship. For a son or daughter of an active duty or retired Barksdale Air Force Base enlisted family.

McDaniel Financial Annual Scholarship. First preference to Finance majors and second preference to Business majors. Recipient must maintain a minimum 3.3 GPA.

Paul McDonald Endowed Scholarship. For worthy students.

Agnes Ruth McLean Memorial Endowed Scholarship. For students in advanced levels of the Church Careers Institute with an excellent academic record.

Ella Nita McMichael Endowed Memorial Scholarship in Church Careers. For general scholarships for Church Careers majors.

McMillan-Feild Memorial Endowment Fund. For full-time students in need of financial assistance with high scholastic achievement.

May Meadows Ministerial Scholarship. For worthy ministerial students of high scholastic standing. First consideration given to students from the Ruston District.

Hattie Lee Monkhouse Mellor Memorial Endowed Scholarship. For residents of Louisiana who maintain a "B" average and need financial assistance.

E.W. Merritt Geology Scholarship. For a worthy student in the Geology graduate program.

Joe J. and Maida Mickle Memorial Scholarship. For worthy students.

Reverend Jack Midyett Memorial Endowed Scholarship. For a student from First United Methodist Church of Bossier City or from the Louisiana Conference of the United Methodist Church planning to enter the Church Careers Institute.

Richard Alan Millar Endowed Scholarship. For worthy students in need of financial assistance.

Howard Moore Family Endowed Scholarship. For a student from Noel Methodist Church in Shreveport or a member of Kappa Sigma Fraternity. Recipients must maintain a 2.5 GPA.

Gwen Murphy Endowed Choir Scholarship. To a member of the Choir based on talent and need.

National United Methodist Scholarship. For active members of the United Methodist Church with high scholastic standing. A 3.0 grade point must be maintained.

Nelson Scholarship. For worthy students.

Edwin R. and Claudia Ruth Nelson Endowed Scholarship Fund. For deserving students.

Louis L. Noel Trust Fund Scholarship. For students preparing for ministry or religious education.

Barbara Jeanne DeMoss Nolan Memorial Endowed Scholarship. For education majors.

John G. O'Brien Scholarship. For worthy students.

Mae O'Brien Endowed Scholarship in Music. For a worthy student in the field of music, awarded by the Dean of the School of Music.

Ray P. Oden, Sr. Endowed Scholarship. For worthy students.

Oklahoma Scholarship Award. For a returning student from the state of Oklahoma who possesses the highest cumulative GPA.

Idamae Cox Otis Endowed Choir Scholarship. For a deserving choir member.

Outlaw Endowed Scholarship. Awarded to an English major or a business major with a GPA of 3.0 or higher.

Palestine United Methodist Memorial Scholarship. For a student with need whose major course of study is in the Church Careers Institute.

James N. Patterson Memorial Endowed Scholarship. For a worthy student.

Pennzoil Products Company Scholarship. For a student majoring in chemistry. Selected by the chairperson of the department.

Winifred Boles Peters Endowed Scholarship. For a worthy student with first preference to a student in the arts.

Thomas B. Peyton, III Memorial Endowed Scholarship. For a needy student of high academic standing, interested in art and religion.

Leon J. and Artie L. Phillips Endowed Scholarship. For students pursuing degrees in business administration, pre-law or pre-medicine with a 3.0 GPA.

Doyle and Pat Pickett Annual Choir Scholarship. For a member(s) of the Centenary College Choir.

Ellen English Pickett Annual Scholarship. Awarded to a student from Caddo Magnet High School who is a member of the Centenary College Choir or who has an interest in either music or veterinary science.

Lewis H. Pirkle Memorial Endowed Scholarship. For a deserving pre-med student.

George W. Pirtle Endowed Geology Scholarship. For an outstanding geology student from Louisiana or East Texas.

Dr. W. Ferrell Pledger Memorial Endowed Scholarship. Graduating senior who is a sociology major with highest academic average.

G. W. Pomeroy Scholarship. For worthy students in need of financial assistance.

Webb D. Pomeroy Memorial Endowed Scholarship. For a pre-ministerial and/or sacred music student from Louisiana. Awarded by a committee comprised of faculty from the Religion Department and the Church Careers Institute.

Harold K. Quinn Memorial Endowed Scholarship. For worthy students majoring in business in need of financial assistance. Recipients should be from Louisiana or Texas.

Rupert and Lillian Radford Endowed Scholarship. Awarded to students meeting requirements of a Dean's Scholarship.

Betty and Cecil Ramey Endowed Scholarship. For pre-law students who

maintain the required scholastic averages.

Elizabeth Rankin Endowed Scholarship. A sophomore student who has declared a major in economics & maintained a 2.5 GPA. The student shows promise in the study of econometrics or statistics as determined by the economics professor of the Frost School of Business.

Reader's Digest Foundation Endowed Scholarship. For worthy students in need of financial assistance.

Belle Ringgold Memorial Endowed Scholarship. For Louisiana students training to become teachers, with preference to students from Caddo Parish.

Minnie K. Ringgold Memorial Scholarship. For a student in the School of Music in need of financial assistance.

Josie Neal Roberts Memorial Endowed Scholarship. For worthy students who remain in good academic standing.

Daniel B. and Georgie M. Robinson Memorial Endowed Scholarship. Awarded to deserving students in the School of Music and particularly for students specializing in the Violoncello.

Stephen Francis Robinson Endowed Scholarship. For a worthy student enrolled in at least one course in either mathematics, foreign language, music, or religion.

Charles Rollins-Bentley Sloane Four-Square Bible Class Endowed Scholarship. For students in the Church Careers Institute.

Peggy Rountree Memorial Scholarship. For an outstanding student in need of financial assistance.

Ruston District United Methodist Church Scholarship. For worthy students from the Ruston District.

Clyde and Estelle Sanders Endowed Scholarship. Academic record of 3.5 GPA and 30 ACT score.

Jesse L. Saxon Memorial Endowed Scholarship for Church Careers. For a student in the Church Careers Institute.

Louise Goldman Scheinberg Memorial Endowed Scholarship. For minority students that are majoring in music, and demonstrate great financial need.

Wilfred K. Scroggin Ministerial Scholarship. For a ministerial student.

Selber Brothers Scholarship. For a student of high scholastic standing studying toward a baccalaureate degree in business.

Fariebee Parker Self Mathematics Scholarship. For a student majoring in and planning to teach mathematics.

J. C. Sensintaffar Memorial Endowed Scholarship. For students from specified districts of the Louisiana Methodist Conference.

Lucile Sexton Sunday School Class Scholarship in memory of LaTrelle Shipley Billeiter. For a qualified female music major.

Shreveport District United Methodist Church Endowed Scholarship. For a child of a United Methodist minister from the Shreveport District.

Shreveport Geological Society Scholarship. For an outstanding geology student.

Shreveport Kiwanis Club Scholarship. Awarded on the basis of need. Student working on school newspaper or in communication field is given first preference.

Dr. Henry M. Shuey Memorial Endowed Scholarship. For an American-born junior or senior majoring in chemistry, physics, or math.

Noel T. and Sara Simmonds Endowed Scholarship. For incoming freshman

entering the Church Careers Institute.

Curtis D. Sims Memorial Endowed Scholarship. To a worthy student in the Church Careers Institute.

Joseph E. Slattery, Jr. Memorial Endowed Scholarship. Preference given to a graduate of Loyola.

Dr. Bentley Sloane Endowed Scholarship. No restrictions.

Graydon F. and Helen S. Smart Memorial Endowed Scholarship. For a student in the field of communications.

Dean R. E. Smith Discretionary Endowed Fund. The income from the principal shall be used as an emergency discretionary fund by the President with first priority being given to students in the Church Careers Institute. If the money is not used, either all or part of it, in a given year, then it shall be awarded as a scholarship for the following year to an outstanding student in the Church Careers Institute.

Dean R. E. Smith Religious Leadership Award and Scholarship Fund. The Religion Department selects an outstanding ministerial student to receive the award at Honors Convocation. Left over funds may be used as a scholarship.

Richard R. Smith Annual Scholarship. Awarded to students with declared majors in business or music and a GPA of 3.0.

Stephen Wailes and Ellen Griffing Smith Endowed Scholarship. For a student of their choice.

Ruth E. Carter Soderman Memorial Endowed Scholarship. Awarded to a student enrolled in the Theology pre-professional program.

John W. Speir Memorial Scholarship. For worthy students in need of financial assistance.

Frank Palmer Spessard Memorial Endowed Chemistry Scholarship. For an outstanding student in chemistry.

J. B. Stafford Annual Scholarship. For a Church Careers Institute student with a 3.0 GPA.

Octa Morel Crump and Anita Mary Steinau Memorial Scholarship. First preference to students who express interest in majoring in art, communications, english, pre-medical or theatre, and who could not otherwise afford to attend without financial assistance.

Mary Morel and Jacques Napier Steinau Memorial Scholarship. First preference to students who express interest in majoring in art, communications, english, pre-medical or theatre, and who could not otherwise afford to attend without financial assistance.

Helen and Henry Stertz Music Scholarships. For a senior music major.

Stewart Memorial Scholarship. For ministerial students.

Annie Lowe Stiles Annual Scholarship. For qualified and deserving students in need of financial assistance. Funded by the Community Foundation of Shreveport-Bossier.

Jack I. Stinson Memorial Endowed Scholarship. For a worthy student, with preference given to a business major.

Mrs. B. B. Tanner Memorial Endowed Scholarship in Education. For a worthy student in education of high scholarship and character.

Susan Tanner Memorial Endowed Scholarship in Music. For a worthy music student of high scholarship and character.

Hope Pierce Tartt Annual Scholarship. For residents of certain East Texas counties.

Dr. and Mrs. B. C. Taylor Scholarship. For students of outstanding scholastic achievement and in need of financial assistance.

William C. Teague Endowed Organ Scholarship. For a deserving student in organ.

R. L. "Bill" Terry Memorial Endowed Scholarship. For a full time non-traditional student who maintains a 2.3 GPA.

Texas Eastern-McBride Endowed Scholarship. Incoming freshman on basis of academic merit only. Student may receive the scholarship for four years as long as a 3.0 GPA is maintained.

Herbert & Grace Reynolds Thayer Memorial Scholarship. For a worthy student, especially in the field of church careers.

N. O. Thomas, Jr. Endowed Scholarship. For a worthy student in the field of business or petroleum land management.

Reverend Karl B. Tooke Endowed Scholarship. For students who could not attend without financial assistance.

Trinity United Methodist Church of Ruston Scholarship. For worthy students from UMC of Ruston.

William S. Tyrrell Scholarship. For worthy students with preference given to Afro-American students and students who demonstrate academic potential.

Rosemarie Hicks Udick Memorial Scholarship. Preference given to worthy female graduates of Fair Park High School.

United Methodist Higher Education Foundation Scholarship. Given to students who have been active members of the United Methodist Church for at least one year.

United Methodist Women-First United Methodist Church of Shreveport Scholarship. For a student planning a career in Christian service via the Church Careers Institute.

Universal Oil Products Annual Scholarship. For upper-division chemistry majors.

UPS Foundation LICF Scholarship. For worthy students in need of financial assistance.

Dr. Charles "Eddie" Vetter Memorial Scholarship. For a worthy student.

Dr. A. C. "Cheesy" Voran Choir Scholarship. For deserving choir students.

Bessye Cowden Ward Endowed Scholarship. For any expenses related to student costs without other restrictions.

John M. and Margaret J. Warren Endowed Scholarship. For students studying for the ministry, to be missionaries, or for other Christian work.

Donald and Renee Webb Endowed Choir Scholarship. For a student in the Centenary Choir.

E. Bernard Weiss Memorial Endowed Scholarship. For worthy students with preference given to pre-med students.

A. P. and Mary C. White Endowed Scholarship in Music. For a worthy student in music.

Lettie Pate Whitehead Scholarship. For Christian women with financial need and who are residents of Alabama, Florida, Georgia, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, and Virginia.

Wilcox Foundation Scholarship in honor of Lane B. Jackson. For a student from C. E. Byrd High School with a high level of need.

Louis and Emily Wile Memorial Endowed Scholarship. For residents of

Caddo, Bossier or DeSoto Parishes who show academic promise and demonstrate financial need.

Ann Margaret Wilhelm Endowed Scholarship. For a worthy student.

Therese Simon Willer Memorial Endowed Scholarship. For a worthy minority student.

Mr. and Mrs. William C. Woolf Scholarship. For students majoring in geology.

Herbert and Helen Smith Wren Endowed Scholarship. For worthy students.

Clarence L. Yancey Memorial Endowed Scholarship. For a worthy student.

Katherine Yeldell Scholarship. For worthy students in need of finanicial assistance.

Hoyt and Penny Yokem Endowed Scholarship. For worthy students in need of financial assistance.

Youree Scholarship. For worthy or needy students.

Veterans' Benefits

Veterans must submit an original or certified copy of their discharge papers (DD-214) to the Financial Aid Office in order to begin the processing of the Veterans Administration paper work. Dependents of veterans who died as a result of service connected injury or illness, or dependents of 100% disabled veterans may also apply for Veterans Administration Educational benefits. A dependent should bring the parent's or spouse's Veterans Administration file number to the Financial Aid Office to apply for benefits. The Veterans Administration determines the amounts of the benefit and mails payment directly to the student. Students eligible for veterans benefits are responsible for reporting to the Financial Aid Office changes in address, changes in credit hour load, registration and courses for which the student already has credit, and withdrawal from the College.

On-Campus Employment

A number of part-time jobs for students are available on the campus. Application should be made to the Director of Financial Aid. The largest work program is known as Federal Work-Study. It is supported by Federal funds and provides assistance to students who have a documented need and meet all requirements for receiving Federal funds. A limited number of jobs are available without regard to financial need.

Vocational Rehabilitation Grants

These are made to students who are physically handicapped and would ordinarily be unable to hold a part-time job. Inquiries should be directed to the Vocational Rehabilitation Office in the student's home town.

State Grants

Leveraging Educational Assistance Partnership (LEAP)

These grants are available to students who are residents of Louisiana and a citizen of the United States. Eligibility for LEAP will be based upon the student's academic records and financial need as determined by the FAFSA. Students must be enrolled full time and be in good standing academically to qualify for LEAP. High School graduates are required to have a (C) average in English, mathematics, social studies and science. Grants range from $200 to $1,500 per year. Application is made by completing the FAFSA. These grants are limited due to a shortage in appropriated funds.

Federal Grants

Federal Pell Grant

The Federal Pell Grant is awarded directly to students by the federal government. The amount for which a student is eligible is determined individually by the U.S. Department of Education. The maximum amount in 2002-2003 will be $4,000* per year. Students who have financial need and meet eligibility requirements can receive a Pell Grant as long as they are making satisfactory academic progress toward their undergraduate degrees. Application is made by completing the Free Application for Federal Student Aid (FAFSA). *Subject to change by congressional vote.

Federal Supplemental Educational Opportunity Grant (FSEOG)

The amount of financial assistance that students receive through a Federal Supplemental Educational Opportunity Grant depends upon their need, as determined by the completion of the Free Application for Federal Student Aid (FAFSA).

Student Loans

Federal Perkins Loan Program. This program provides loans for needy students who are enrolled at least half time. A total of $20,000 may be borrowed by an undergraduate but not more than $4,000 per year. Repayment at a 5% interest rate begins nine months after the student ceases at least half-time enrollment. The available funds are limited.

Federal Stafford Student Loan. This program allows freshmen to borrow up to $2,625 per year, sophomores up to $3,500 per year, and juniors and seniors up to $5,500 per year from a participating bank or other financial institution. Repayment begins six months after the student ceases at least half-time enrollment. A variable interest rate is used with a cap of 8.25%. Contact the Centenary Financial Aid Office for current eligibility requirements.

Federal Parent Loan. This program allows parents to borrow up to the cost of education less any financial aid awarded. There is a credit check performed by the lender. Repayment begins sixty days after the final disbursement of the annual loan. A variable interest rate is used with a cap of 9%. Information is mailed to all admitted students.

United Methodist Student Loan. Members of the United Methodist Church may borrow $2,500 per academic year. Apply through the Centenary Financial Aid Office.

Hurley Foundation Loan. Residents of Texas, Louisiana or Arkansas may borrow up to $1,000 per year at 4% interest. The application must be made by June 1.

Private Alternative Loan. This program allows students (with a co-borrower) to borrow up to cost of attendance less any financial aid. Interest rates and repayment options vary depending on the lender. Contact the Centenary Financial Aid Office for details.

Academic Checklist

What To Do, When

All Students: This catalogue is your academic bible; study it carefully.

Check the Academic Calendar carefully for cut-off dates of enrollment functions and due-dates.

Every time you change your advisor and/or major you must inform the registrar.

Read the section on withdrawal.

You must register for English 101 and FYE 102 every semester until successfully completed; these courses may not be dropped.

Before dropping courses, be aware of full-time/part-time rules for financial aid and participation in college activities.

Check course descriptions for prerequisites, and study "Course Sequence" (p. 56).

Before taking courses elsewhere, be aware of the general rules for transfer: Courses with a grade of C or above will usually transfer if Centenary has a department in that field. You must submit an "Approval of Transfer Course Equivalencies" form for every course you consider transferring. This form (see Registrar's Office) must be submitted and approved prior to enrolling in transfer courses.

First-Year Students

Study the ***Centenary College Student Handbook*** and Honor Code carefully. Consult your advisor, or the Dean of Student Life, *whenever* you have any problems or questions about college life.

Become familiar with the services of the Career Center in the Center for Extended Learning, 2910 Centenary. Plan to participate in workshops offered by the Career Center, Academic Resource Center for Students (ARCS) and the Dean of Student Life which focus on study skills, time management, test anxiety and stress management.

Sophomores

Students certifying in education must file a degree plan before the end of the first semester of their sophomore year.

Students in intercollegiate athletics *must* declare a major *before* the beginning of the 5th semester of enrollment in college study by filling out a degree plan. (See under Juniors)

To meet the Centenary Plan requirements:

1. enroll in GED 251, Career Exploration, and begin your formal evaluation of interests, values, and abilities as you work through the first stages of designing a career action plan;

2. complete one semester of Service Learning; and formulate plans to meet the Intercultural component.

Juniors

File a degree plan by the end of the first semester. See the Office of the Registrar. Study "Degree Requirements" in the catalogue you plan to use and the major and supportive requirements for your major.

Students in 3/1 and 3/2 programs: Keep the Registrar informed of your address, and have transcripts of your work elsewhere forwarded immediately to that office when requirements are completed. Keep in touch on your plans!

Fill out and submit to the Registrar's Office a graduation tracking form. This must be done no later than two semesters prior to year anticipated graduation date.

Work with the Career Center staff to develop a résumé and identify (establish) a list of references.

Seniors

Submit a completed "Nomination for Departmental Honors" form to the Registrar's Office by the end of the second week of the first semester of your senior year.

Be aware that the last **30 hours** must be taken at Centenary.

Check your degree plan carefully with your advisor to be sure that you are on the graduation track, and will have a 2.0 average at Centenary in your major. Remember you cannot file a degree plan in your last semester and plan to be graduated.

Questions regarding academic regalia should be addressed to the Bookstore.

Refine résumé and interview skills; implement strategies to reach post-graduate goals. The Career Center will assist you.

Transfers and Second Degree

Send transcripts of all previous study to the Office of Admissions immediately.

Register for English 101 if not previously taken with at least a C.

Read under **Sophomores** and **Juniors**.

Academic Regulations

Admission to the College and attendance in classes are conditional upon acceptance of and compliance with the rules and regulations of the College as now established or hereafter revised. **It is the responsibility of the student both to know the rules of the College and to abide by them.**

The most important of these rules—those which constitute the very foundation upon which the educational program of the College rests—are contained in the Honor Code of Centenary College. As a condition of admission to and registration in the College, every undergraduate student must agree to comply wholly with the provisions of the Code. These provisions, along with other regulations governing College life, are published annually in the student handbook known as ***The Centenary College Student Handbook***. The Honor Court also periodically publishes a booklet containing explanations and interpretations of the Code and its implications. Campus parking and traffic regulations are published in another booklet available at the College Business Office.

For the smooth and orderly completion of the chosen academic program and the requirements of the degrees offered by the College, it is essential for the student to become entirely familiar with the contents of the Centenary College catalogue.

The course offerings, rules, regulations, and fees appearing in this catalogue are announcements. They are not to be construed as representing contractual obligations of Centenary College, which reserves the right to change its course of instruction, fees, charges for room and board, and general and academic regulations without notice should circumstances warrant in the judgment of the College.

Faculty Advisors

Each student at Centenary College is assigned a faculty advisor whose duty it is to counsel the student regarding a degree program, vocational or professional interests, the course schedule for each session, and progress toward graduation. Each faculty advisor is available for frequent consultation and will call advisees for conferences in case of deficient grade reports and for semester course program planning. Normally however, it is the student's responsibility to seek advice when needed and there should be no hesitancy in doing so at other than the required times of consultation.

Students normally stay with the faculty advisor assigned to them as freshmen until the sophomore year and their files are transferred to an advisor in their major department. However, they may request the Office of the Registrar to change advisors at any time; and, if another advisor is available, the change will be made.

The faculty advisor must approve, by signature, each student's course program for each semester, including all changes in registration.

Registration

All students are required to register for each session by the end of the formal registration period designated by the College in the official academic calendar. Registration is not complete until the appropriate cards and forms have been completed and all financial arrangements made. A late fee of $50.00 will be charged for the completion of registration after the first day of classes. No registration is permitted after

the date specified in the calendar as the "last day for enrolling or changing courses."

Change of Registration

After registration is completed, a fee of $10.00 is charged for any change of registration (i.e., for each course dropped, added, or modified) not initiated by the College. A change is initiated by the College when the student is required to make the change by an instructor, an advisor, the Registrar, or the Provost of the College. Classes may be added only with the approval of the instructor and the faculty advisor, and may require the approval of the Registrar; this may be done only until the date designated in the calendar. Classes may be dropped with the approval of the instructor, the advisor, and the Registrar until the date designated in the calendar as the "deadline for dropping courses without academic penalty." If a student drops a course or is dropped by a professor after this day, a grade of "XF" will be recorded for the course. This same deadline applies to changing from "credit" to "audit" or vice versa and changing a regular registration to "Pass-Fail" registration or vice versa. Forms for initiation of course changes are available in the Office of the Registrar.

A student may change from one major or degree program to another at any time with the approval of both advisors concerned. Forms are available in the Office of the Registrar.

Withdrawal

If it should become necessary for a student to withdraw from the College, permission must be secured from the Provost of the College. Permission will not normally be given except in case of emergency after nine weeks of the semester have elapsed. The student must discharge all financial obligations to the College and be cleared by the College library in order to receive the Provost's approval. *Failure to attend classes does not constitute withdrawal, and if students leave the College without completing the withdrawal procedures, they will receive a grade of "F" in all courses in which they were registered and will forfeit any right to refund of fees.* Credit for completion of service-learning or career exploration will be recorded if a student completes these components prior to withdrawing from school.

Auditing Courses

Students classified as full-time by the College may, with the consent of the instructor, audit courses free of charge (except if in excess of 18 hours). If they desire the audited course to be recorded on their transcript, they must register officially. Upon notification by the faculty member in charge of the course that the student did not actually attend, notation that the student audited the course will be stricken from the record without right of refund of fees.

Persons who are not Centenary students may also audit most courses in the College course-offering (exceptions are performance and execution courses such as those in theatre, art, and music) for a reduced tuition rate. Registration procedures are simplified for students in this Special Audit program. Consult the Office of the Registrar for information.

Classification

A "regular student" or "full-time student" is defined as one enrolled for credit in at least twelve semester hours of course work. A full-time student in the summer is one enrolled for credit in at least six hours. (To receive full VA benefits on a continuous basis, registration must be for at least six semester hours over the duration of the summer session.)

Regular students are classified as follows: freshmen are those with fewer than twenty-seven semester hours; sophomores, those with twenty-seven through fifty- nine semester hours; juniors, those with sixty through eighty-nine semester hours; seniors, those with ninety or more semester hours.

Course Load

The normal course load is from fifteen to eighteen semester hours. Special permission must be obtained from the Provost of the College for any student to register for more than eighteen semester hours, and permission will not be given to any student to register for more than twenty-one semester hours. The normal course load during the summer is six hours for one session and six to nine hours for two sessions. However, permission may be granted by the Provost for a maximum of nine hours for a one-session summer or twelve hours for a two-session summer.

Course Sequence

Courses are numbered as follows: 100's—freshman-level; 200's—sophomore-level; 300's—junior-level; 400's—senior-level. (See p. 78 of this catalogue.) Students should not enroll in courses in the upper division (numbered 300 and above) without having taken the prerequisite lower-division courses. Students wishing to take courses numbered higher than their current classification should consult the chairperson of the department concerned.

Courses are also designated as sequential-double numbered year courses. (See pp. 78-79). As far as possible, enrollment in these courses should maintain the sequence. Students who have failed a course in such a sequence will not be permitted to enroll in the more advanced course without the express permission of the instructor and the Provost. Students who have received an Incomplete grade in a course may, with the permission of the instructor, enroll in the more advanced course.

Class Attendance

The Centenary College faculty and administration believe that regular and systematic class attendance is an important and necessary ingredient of the educational process at Centenary. The College expects students to place a high priority on regular attendance. **Faculty members may establish their own attendance policies.**

Students at Centenary College are responsible for mastery of material presented in the class session of the courses in which they are registered. Members of the faculty are not expected to provide students who absent themselves from class without emergency reason with material (including examinations) covered in class. Faculty members are expected to inform the Dean of Student Life when students are absenting themselves from an excessive number of classes.

Because of Veterans Administration regulations, the faculty must report to the Financial Aid Office any veteran who is absent in excess of three times the number of scheduled class sessions per week. The Director of Financial Aid will notify the Veterans Administration of the absences.

Convocation Attendance

The Convocation Program is one way the College brings together the campus community to express and consider the unique values involved in a church-related, liberal-arts education as these values are focused in vital issues, such as education, religion, and social concerns. Recognizing the value of the gathering of the faculty,

administration, and student body as a campus community from time to time, the faculty has established the period from 11:10 a.m. to noon on Thursday as a period reserved for such gatherings for academic and religious purposes. No other meetings may be scheduled during this period, by either faculty or students. First year experience credit is given to freshmen and transfer students for select convocations.

Examinations and Preparation Week

All students are required to take the written examinations of from two to three hours' duration at the end of the semester in all courses except those in which the material covered does not lend itself to this type of measurement.

As of 8:00 a.m. on the first day of **Preparation Week** no tests other than lab exams may be given. No papers or additional work (beyond completion of courses) may be assigned. Class assignments made earlier in the semester may be due during Preparation Week.

Credit

Most courses at Centenary meet either three times a week for fifty minutes each period or twice a week for seventy-five minutes each. Carried successfully for one semester, such courses earn three semester hours each. Courses such as laboratory sciences and activity courses like physical education, musical ensemble participation (e.g., choir, band), theatre productions and performances, etc., earn only one or two semester hour of credit for three class meetings a week.

Grading System

At the end of each semester, letter grades are given in each course. These grades, their general significance, and their equivalent quality points are as follows:

A—work of high distinction; four quality points per hour

B—above average work; three quality points per hour

C—average work; two quality points per hour

D—passing work, but below average; one quality point per hour

F—failing work; no credit, no quality points; hour credit counts as work attempted in calculating averages

XF—the grade recorded for a course dropped after the last day to drop a class; no credit, no quality points; hour credit counts toward work attempted in calculating averages.

P—the grade recorded when a student successfully completes a course under the Pass-Fail system (see below); no quality points; the credit given is not used in calculating averages

CR—credit; the notation recorded when a student fulfills the requirements of a course for which no credit hours are earned; no quality points

NC—non-credit; the notation recorded when a student does not fulfill the requirements of a course for which no credit hours are earned; no quality points

I—incomplete work; given only when emergency prevents the student from completing final examination or other concluding work of the course at the scheduled time. This temporary grade must be removed during the next regular semester by the time listed in the academic calendar (unless an extension is approved by petition), or it is automatically converted to a permanent "F"

IR—in progress; the notation recorded when a student project initiated in one semester is carried over the traditional semester limits because of the nature of the study. The student's faculty supervisor will submit a form, obtained from the Registrar's Office, to

the provost for approval.

W—withdrawal; no credit, no quality points (see section entitled "Withdrawal").

Each mid-semester, instructors report to the Provost of the College all grades averaging below "C." These are not permanent grades, but are used as warnings that improvement is necessary. Both faculty advisors and students receive these deficiency reports; students receiving such reports should immediately consult their advisers. (See Student Handbook for grade appeal policy.)

English Proficiency

In the evaluation of all academic exercise, the quality of English used by the student will be considered. Every student in every course is expected to use English that is grammatically correct and logically sound. Every Centenary student is expected to demonstrate a high level of proficiency in oral and written communication. Failure to meet recognized standards of English composition may result in a lower grade in any course.

Repeating Courses

Students who have earned a grade of "D" in a course may repeat the course to improve their grade. Hour credit toward graduation is earned only once per each course. An exception would be for courses which are permitted to be repeated for credit. All grades earned in all repeated courses are used in calculating cumulative grade averages.

Pass-Fail Courses

Students who have attained sophomore standing may register for pass-fail courses. The usual credit will be given if the course is successfully completed, but the grade will be recorded simply as "P," and the cumulative grade point average is not affected. However, the student must earn at least a "C" to receive the grade of "P." If the course is not successfully completed for a "P," the student is assigned a grade of "D" or "F," and the cumulative grade average will reflect the "D" or "F."

With the exception of internship courses, no more than eighteen semester hours taken under the "Pass-Fail" system may be attempted toward graduation requirements. Courses may not be taken "Pass-Fail" in a student's major or minor department except for module and internships that are approved by the department.

Students should be aware of the fact that some graduate schools when reviewing transcripts may consider a grade of "P" as equivalent to a "C" grade.

Academic Progress, Probation and Suspension

1. Students must attain a grade point average of 1.5 their first semester at Centenary College.

2. After their first semester they must maintain a 2.0 "current or cumulative" grade point average during each semester they are enrolled.

3. Students are placed on academic probation if they fail to meet the above requirements.

4. Suspension is automatic for students who fail to maintain the required grade point average for two consecutive semesters. For students who fail to attend college for a semester or more, the term "consecutive semesters" means the two most recent semesters in which the student was enrolled at Centenary.

5. They must maintain a grade point average of 2.0 or higher in all work taken at Centenary.

6. Suspension is for a minimum of one regular semester. Students under suspension

may not count the summer or module semesters as fulfilling the one regular semester requirement, but suspension applies only to the fall and spring semesters. Students who attend Centenary summer school may remove the suspension or probation if they raise their grade point average above the appropriate level required to remain in good standing.

7. Students under suspension must not expect to be admitted to another institution during this semester, nor will any credit undertaken be transferable back to Centenary.

8. After this minimum period of suspension the student may apply for readmission to the College. Readmission is not automatic, but if granted, the student is readmitted under academic probation.

Eligibility for Participation in Activities

When placed on a second or subsequent probation, students are prohibited from representing the College in any extracurricular activity. Activities that are prohibited include, but are not restricted to, intercollegiate sports; choir; band; staff work on campus media; musical performances; dramatics, including backstage work; cheerleading; participation in Student Government Association and related committees.

Major Fields and Degree Plan

As early as possible after deciding upon a major field, students should, in consultation with their faculty advisors, plan the remainder of their degree programs, so that they may proceed in an orderly way to meet major and degree requirements. Students must file their degree plans, approved by their advisors and endorsed by the Registrar, in the Office of the Registrar before the end of their junior year. Junior and senior transfers are expected to file a degree plan before the end of their first semester of residency. Most students find it advisable to file a degree plan upon declaring a major. Varsity athletes must file a degree plan with the registrar prior to being certified for competition at the beginning of their third (junior) year.

A major consists of courses within one department or one area of concentration totaling from twenty-four to forty-five semester hours. **(Two exceptions are the Liberal Arts Major and the Interdisciplinary Major. See pp. 63-64.)** Although there is no limitation on credit allowed for major and supportive hours, no more than forty-five hours in the major may be included within the total of 124 hours required for graduation. (The hour limitations above do not apply to the B.M. degree, the B.S. in Elementary Education, and B.S. in Health and Physical Education—Teacher Certification degree and the Health and Exercise Science degree.)

A student who transfers more than one half of the upper-division courses required in the field of his major must complete additional hours at or above the 300-level in this major as determined by the chairperson of the department concerned. Because the minimum residency requirement is 45 hours, no more than 79 transfer hours will be applicable toward a Centenary degree.

Minor

Students may elect to declare a minor in a department outside their major department. A minor is a minimum of 18 hours with at least 6 hours in courses above the 300 level. Requirements for minors are listed in each department. Students must take courses in their minor subject for a letter grade. Courses taken P/D/F are not acceptable.

Time Limit

If students do not complete degree requirements within seven years after matriculation

in this or another collegiate institution, they must complete an additional twelve semester hours at or above the 300 level in their major subject; except that students who attempt to complete degree requirements entirely by part-time attendance may be exempted from this requirement on recommendation of their major department chairperson.

Degree Requirements

1. Requirements for All Degrees

A. Earn no fewer than 124 semester hours, three of which must be 199 (Module), but no more than six hours of 199 courses may be counted toward the 124 required. (Students in 3-1 and 3-2 preprofessional programs will meet only the module requirements of the program.) No more than eight hours may be earned in activity courses.[1] The last thirty semester hours required for graduation must be taken in residence. At least 45 semester hours must be taken at Centenary. No graduate course may be counted toward the 124 hours of undergraduate credit needed for graduation.

B. Earn at least thirty hours numbered 300 or above.

C. Meet the basic requirements for the degree to be earned.

D. Meet all requirements for a major field of study.

E. Maintain a grade point average of 2.0 or higher in all work taken at Centenary.

F. Maintain a grade point average of 2.00 or higher within the major at Centenary..

G. Discharge all financial obligations to the College.

H. Meet the requirements of a catalogue published in one year of attendance and within five years of the proposed graduation date.

I. Be present at the Commencement exercises to receive the degree conferred, unless an exception is approved by the Provost's office.

2. Core Requirements for All Degrees (B.M. degree - see Music.)

In the best tradition of the liberal arts, the Centenary curriculum aims to produce graduates of extraordinary intellectual and vocational versatility who are prepared to take responsible positions in their societies. The College prepares its students through consistent instruction across the curriculum in critical thinking and in the fundamental communication skills of writing, speaking, and numeracy. The core curriculum begins with the First-Year Experience, which initiates the emphasis on critical thinking and rhetorical skills in an interdisciplinary context. The balance of the core curriculum further develops these skills while it introduces students to basic areas and fundamental techniques of human inquiry. Electives enable students to explore their own academic interests unencumbered by institutional requirements. The major provides the opportunity for intensive study in a carefully circumscribed area. In all aspects of its curriculum, Centenary emphasizes a participatory model of education, in the beliefs that students learn most effectively when they are actively involved in the educational process and that an experiential emphasis best prepares them for situations they will encounter beyond the academy.

The Core

The core curriculum at Centenary College cultivates the liberal arts, those diverse skills and habits of mind that characterize a liberally educated person. Courses in the core emphasize fundamental communication skills and basic areas and techniques of intellectual inquiry. In our core program, Centenary students

- Develop written and oral skills in an interdisciplinary context
- Critically analyze and evaluate human artistic and cultural accomplishments
- Develop a facility in and appreciation for symbolic reasoning

1 EXSC 101-102, 201, 211; Theatre/Speech 104 through 107; EXSC and Theatre/Speech 121 through 128; Music 151 through 160.

- Explore the nature of the material universe
- Examine human behavior through the systematic collection and analysis of data

Specific Core Requirements

The ***First-Year Experience,*** a two-course sequence that introduces students to the liberal arts in an interdisciplinary context with an emphasis on rhetoric (written and oral communication). 2 four-hour courses

- ENGL 101
- FYE 102

Inquiry in the humanities: courses in which students critically analyze and evaluate human artistic and cultural accomplishments. Students may—and are encouraged to—take up to three hours in fulfillment of this requirement in courses that teach aesthetic appreciation through performance or production. 4 courses (at least 12 hours) in at least two departments or schools, with at least one course at or above the 300 level

101 through 299 courses		**300 or above courses**
• ART	101, 102	305W, 306S
• ENGL	201, 243, 262, 290	341, 342, 351, 357S, 361, 364S
• FLNG		393W, 394W
• FREN		308, 415, 416, 419, 421
• GER		302, 305, 306, 419, 420
• HIST	101, 102, 103, 205, 206	312, 341, 347
• MUS	142, 143	300
• PHIL	101, 102, 206	
• PSC	208	307, 310
• REL	101, 102, 111, 160, 260, 265, 280, 283	305W, 307, 310, 320, 415S, 430
• SPAN		315, 417, 422, 423
• SPCH	200	
• THEA	112	

performance/production courses

- ART 211, 212, 311, 312, 313
- DANC 121,123, 125, 127, 243, 245, 247, 261, 361, 363, 365, 367
- MUS 170, 270, 370
- SPCH 201
- THEA 203, 204

Inquiry in mathematics: a course in which students develop a facility in and appreciation for symbolic reasoning. 1 course (a minimum of 3 hours)

- MATH 102, 104, 105, 107, 109, 115, 201
- PHIL 210

Inquiry in the natural sciences: courses through which students explore the nature of the material universe. 2 courses (8 hours) that include laboratory experience

- ASTR 101/111
- BIOL 101, 202, 204
- CHEM 105/115, 121/123, 122/124
- GEOG 102

- GEOL 101, 103
- PHYS 103/113, 104/114, 105/115

Inquiry in the social sciences: courses in which students examine human behavior through the systematic analysis of data. 3 courses, in at least two departments or schools, with at least one course at or above the 300 level (a minimum of 9 hours)

• EDUC	202	
• ECON	151	308W, 324, 340, 351S
• PSC	101, 102, 103, 111	316, 335, 336, 360
• PSY	101, 211	
• SOC	101, 112, 202, 221	305, 308, 309, 316, 317, 334, 354

Students may not count classes in their major (or first major, in the case of multiple majors) toward the fulfillment of core requirements. (N.B. This requirement is waived for mathematics and interdisciplinary majors [e.g., Neuroscience, Biochemistry, Communication] including the Liberal Arts major.) **Total Core Courses: 12 courses, minimum 40 hours**

Additional Degree Requirements

- For the Bachelor of Arts, proficiency in a foreign language equivalent to the first year.
- For the Bachelor of Science, proficiency in mathematics equivalent to a course in calculus and a second course in calculus or one semester in statistics.

Electives

Electives are courses chosen by students beyond their core, major, and major-supportive requirements. In keeping with the tradition of the liberal arts, electives are intended to allow free academic exploration. They may be used to pursue a minor, a second major, a pre-professional program, or any other area of interest. No more than 104 hours in the sum of core, major, and major supportive requirements (including prerequisites) may be included within the total of 124 hours required for graduation.

3. Proficiency Requirements

A. Take at least one course that is described as a W (writing) course. The W (writing) courses offered at the 300 level require a minimum of 12 typed pages of graded writing. The 12 pages may be small papers or one major paper. The focus is on quality of writing in the discipline using the College style sheet or the acceptable style within that discipline. A vital part of the experience is intervention on the part of the faculty member to assist the student to reach a point of proficiency in writing in English. The professor will indicate on the grade sheet any students who fail to satisfy the W requirement. These students will be notified by the Registrar's Office that they must repeat the W requirement after referral to the English Department for remedial help.

B. Take at least one 300 level course that is described as a S (speech) course. The oral presentation for a course fulfilling the requirements for a S (speech) course should consist of at least 45 minutes of total graded speaking time per student. The presentation(s) should be critiqued and graded on content and speech delivery. The speech(es) should contain prepared as well as spontaneous interaction to questions. Evaluation sheets will be completed for each presentation. Students with problems in speech presentation should have an opportunity to review critiques and make a second presentation. The emphasis is to improve oral communication skills in English. The

professor will indicate on the grade sheet any students who fail to satisfy the S requirement. These students will be notified by the Registrar's Office that they must repeat the S requirement after referral to the Speech Department for remedial help.

C. Students must take a course designated "Senior Seminar" in each major that is being completed and posted to the transcript. The course will most often be under the major designator, but in some cases a different senior seminar may be elected or designed in consultation with the advisor. The "senior seminar must meet one or both of the following requirements: (a) a formal written or oral presentation of the student's work. In the Fine Arts, the presentation may take the form of a recital, an art exhibit, or a special project. In majors requiring work in several disciplines, an integrative paper may be used to meet the requirement; (b) a comprehensive examination. Engineering 3-2 students are exempted from the senior seminar requirement.

D. The S, W, and senior seminar requirements are three distinct requirements and can only be fulfilled by taking three distinct courses. These courses do not necessarily have to be 3-hour courses.

E. In today's technology-based world a knowledge of computers is a virtual necessity for success. In recognition of this fact all Centenary students are required to exhibit a certain level of computer proficiency. This level should be obtained early on in the student's undergraduate studies, preferably in the freshman year. Students may satisfy this requirement in one of two ways. Students who have had previous training in computers may choose to take a proficiency test which is offered several times throughout each semester. Students with little or no previous training may choose to enroll in CSC 101 and will satisfy the requirement if they successfully complete the proficiency exams in the context of that course. On-line computer tutorials and software seminars are also available for those students who require some review prior to taking the proficiency exam.

A list of the specific computer skills required can be obtained from the Registrar. For those students who successfully complete the computer proficiency exam without enrolling into CSC 101, the Registrar's Office will record "CR" for GED 001 on their Centenary transcripts.

4. Module Requirement

During the Module, departments of the College offer courses whose topics vary from year to year. These are listed as 199 courses. The purpose of the program is the enrichment of the liberal arts curriculum by concentrated study for a short period on topics of general or specialized interest not normally offered in courses. Some of the courses will involve study off the campus, either at other institutions or in the field.

Students must complete one Module course for graduation, but two Module courses may be accepted toward the 124 hours required for graduation. Centenary College will accept as many as two Module courses from other institutions, provided such courses have clearly been taken as Module courses as defined by our own regulations. As set forth above, no more than six hours of 199 courses may be counted toward satisfaction of the minimum 124 semester-hour requirement for degree; but students who exceed the minimum number of hours for graduation may of course register for additional Module courses. Students may take only three semester hours during the Module. Each course is designed to occupy the student's full time in class, study, research, and independent projects. Module courses cannot be used to fulfill core requirements. With the approval of a student's major department, Module courses may be used to fulfill a major requirement.

Module courses are taken "P/D/F," see p. 58 for details. Module courses will count toward the total 18 P/D/F hours allowed for graduation.

5. The Centenary Plan Requirement

A. Service Learning

All students will participate in a service-learning project which should be completed the semester before the student intends to graduate. The College's Service-Learning Program, Church Careers, and academic departments with service-learning projects, courses and/or modules offer opportunities to fulfill this requirement. There is a list of projects apprpoved for service-learning credit available through the Service-Learning office. Independent projects will be considered on a pre-approved basis.

B. Career Exploration

All students will participate in a series of meetings during their sophomore year which will help guide their major and career decisions. These meetings will be conducted by the Career Center.

C. Intercultural Experience

All students will participate in at least one experience of living and learning in another culture prior to graduation. Typically this experience will be undertaken during the sophomore or junior year and will be selected from a number of approved options. A list of these options is available through the Office of Intercultural Affairs.

Commencement

In order to process or receive a diploma, students must fulfill all degree requirements and fulfill all financial obligations to the College prior to the date of commencement.

Double or Multiple Majors

Students who satisfy all requirements of more than one major in a single degree may have all majors entered upon their transcripts. Students who meet all requirements stated in the Section, "Second Degree," may receive two diplomas simultaneously for work earned in two or more major fields of study.

Second Degree

To qualify for a second baccalaureate degree, graduates of Centenary must present a minimum of thirty additional semester hours. Students with a baccalaureate degree from another institution must meet all core requirements, either by acceptable credits transferred from the first degree or by work at Centenary, and successfully complete a minimum of thirty semester hours, twenty-four of which must be in residence. Students must meet the degree requirements listed on pp. 60-64, and meet all requirements of the catalogue of the year they enrolled for the second degree and complete them within five years. No student is eligible for more than two undergraduate degrees at Centenary. Students who satisfy all of the requirements for a second degree may have both degrees conferred in a single ceremony and will receive two diplomas. Students may lose eligibility for undergraduate financial aid once they earn a baccalaureate degree. They should check with the Financial Aid Office before determining whether to earn two baccalaureate degrees simultaneously.

Students may take a maximum of six semester hours "Pass-Fail." However, the total number of "Pass-Fail" hours under both first and second degrees may not exceed eighteen semester hours. (See exceptions under "Pass/Fail Courses.") Students wishing to apply to a second major a Pass-Fail course taken under the first degree should consult the

chairperson of their major department.

Correspondence Credit

Centenary College does not offer correspondence courses, but a limited amount of elective credit may be earned by correspondence study with accredited colleges and universities. Centenary will accept only those courses which the college or university offering the correspondence study will accept toward its own baccalaureate degree. Neither courses in the student's major field nor courses offered in satisfaction of core requirements may be taken by correspondence.

Taking of courses by correspondence for Centenary credit is permitted only by special arrangement with the Provost of the College, and students taking such courses may have to pass a special examination at the Provost's discretion or that of the chairperson of the department in which the student is majoring.

Academic Petitions

The faculty has established a procedure to act on the requests of students for exception to, or waiver of, academic regulations. See the Registrar for petition forms and for information on what issues may or may not be petitioned. Prior to drafting the petition the student must consult with his or her advisor.

Academic Honors and Organizations

Graduation Honors

The baccalaureate degree is awarded with special distinction to graduating seniors with cumulative averages of 3.5 or better. Candidates with averages between 3.5 and 3.69 are graduated *cum laude*; those with averages between 3.7 and 3.89, *magna cum laude*; and those with averages 3.9 and above, *summa cum laude*. To be eligible for honors a student must have at least 60 graded hours (hours used for the calculation of ones GPA) taken at Centenary. The overall average of all work attempted at Centenary and elsewhere will be used to determine eligibility for honors as well as the level of honor earned.

Dean's List

Students who have achieved a grade point average of 3.50 or better in twelve or more semester hours taken at Centenary for a letter grade are accorded the academic honor of being on the "Dean's List."

Honors Programs

Academic departments and programs at Centenary may invite students of outstanding ability to participate in Honors programs. These programs have been designed by the different academic programs and approved by the Course Review and Petitions Committee. Honors programs include opportunities for independent study with an accompanying paper, a substantial research report, or, in the case of the arts, a project to be decided by the individual program. The research or project may in some cases be done during the summer. All students working toward honors are required to present their independent study paper, research paper, or project at the Student Research Forum or at some other program-approved forum.

To be eligible for Honors in a department or program, a student must have attained a grade point average of 3.25 in both major course work and overall course work. In order

to be invited to participate in an Honors program a student must have attained junior standing and must have completed at least thirty hours of graded course work at Centenary. Some departments may have additional requirements for a student to be eligible for invitation to, or completion of the Honors program. A student must have participated in the program for at least two semesters and the department must certify that all work required by the program has been completed satisfactorily before honors are awarded at commencement. Some departments may accept research carried out at another institution under the direction of a research supervisor not otherwise affiliated with Centenary College as the research component of the Honors program. Consult individual departments for details.

Students entering the Honors program must collaborate with a faculty supervisor. The student and the supervisor will select one or more other faculty members who will join with the supervisor in a committee to oversee the student's project. One committee member must be from outside the student's major or program. When the committee is formed, the application/eligibility form must be filed in duplicate with the registrar. Upon completion of the project, all committee members must again sign the application form reporting the results.

Attainment of honors through successful completion of this program does not supplant traditional graduation honors (see above). Thus a student may graduate "Bachelor of Science with Honors in Mathematics" magna cum laude, or "Bachelor of Arts with Honors in English," or "Bachelor of Science in Biology" summa cum laude.

Interested students should consult the chairperson of their major department or the department in which their program is administered for specific information.

Honor Societies

The highest academic recognition that can come to a Centenary student is election to Alpha Chi, national scholastic honor society for juniors and seniors with a 3.5 cumulative average. Omicron Delta Kappa, national honorary fraternity for men and women, recognizes leadership, scholarship, and service in various fields of activity. Outstanding students are elected to this fraternity from the junior and senior classes by members of the circle. Membership in the Maroon Jackets is another of the high honors that can be bestowed upon a Centenary student. The Maroon Jackets are selected from among students who will be entering their final year, who have excelled scholastically (3.0 average required) and have shown outstanding leadership and service to the College. They are the official hosts and hostesses of the College, representing Centenary at all functions of major importance.

A number of honorary fraternities and service organizations which recognize scholarship in a particular field have chapters on the Centenary campus. These include: Alpha Epsilon Delta, a national honor society for premedical students who have a 3.0 average; Psi Chi, a national honor society for Psychology majors or minors with an overall cumulative GPA of 3.0 and who rank in upper 35% of their class; Pi Delta Phi, a national honor society for French majors who have a 3.0 overall average and a 3.0 average for all French courses (must include upper division courses); Sigma Beta Delta, national honor society in business, management, and administration – candidates for bachelor's and master's degrees who rank in the upper 20% of their class may be inducted into the society; Sigma Gamma Epsilon, honorary fraternity for students with a 3.0 cumulative average in 10 hours of geology and 2.7 overall average; Sigma Pi Sigma, honorary physics

fraternity for students with a 3.0 average and three hours of advanced physics; Kappa Pi, national art fraternity; Sigma Tau Delta, national English honor society; Phi Beta, national speech and music fraternity; Alpha Kappa Delta, national sociology honor society; Phi Alpha Theta, international honor society in History; Phi Eta Sigma, national honor society for college freshmen; and Phi Mu Alpha, the national professional music fraternity for men; Pi Gamma Mu, international honor society for social sciences; Pi Sigma Alpha, a national honor society for Political Science majors who have obtained a 3.0 average.

Honors Awards

Each Spring awards are given in recognition of outstanding performance in many areas of the College community. Presentations are made during special activities throughout the year; the following list represents a sampling of the awards presented.

Accounting Student Award

The Society of Louisiana Certified Public Accountants presents an award to a graduating senior accounting major with a 3.75 minimum overall grade point average.

Alpha Epsilon Delta Award

This award recognizes the A.E.D. initiate with the highest grade point average.

Alpha Kappa Delta Award

A plaque is presented to a junior or senior with twelve or more hours of sociology studies, an overall grade point average of 2.5 and a grade point average of 3.0 in sociology.

Chris T. and Sue C. Barnette Scholarship

The scholarship goes to the rising senior with the highest achievement in European and world studies.

The Ellis H. Brown Leadership Award

Checks are presented to graduating seniors outstanding in scholarship, leadership, character and service to Centenary.

Minnie Hall Brown Award

A check is presented to an outstanding undergraduate Church Careers student.

Shannon Brown Choir Service Award

This award is given to a new choir member based on his/her service to the Choir.

Virginia Carlton Mathematics Award

A book is presented to the freshman who has had one year of calculus and who has accomplished the most in mathematics, maintaining a minimum 3.5 grade point average.

C R C Press Chemistry Award

A commemorative scroll and the current edition of *The Handbook of Chemistry and Physics* are presented to a freshman student who has shown outstanding achievement.

Chemistry Departmental Award

Recognizes a senior deemed by the Chemistry Department to have performed outstandingly.

The Tip Davidson Award

A plaque is presented to the graduating senior receiving the B.S. degree in Health and Physical Education who has shown physical education, intramural and recreation leadership for the Centenary Community, and whose personal lifestyle best reflects the values of physical fitness.

The D. L. Dykes Founders' Award

At their Endorsement Service an award is presented by the Centenary School of Church Careers to a student who has demonstrated excellence in his/her field education and field work settings.

Education Hall Of Fame

Cash awards are presented to the outstanding graduates in elementary and secondary education. In addition, their names are engraved on a plaque which is located in the Department of Education.

English Victory Award

A cash award is presented to the graduating English major with the highest cumulative grade point average.

Estwing Manufacturing Company Award

A rock hammer is presented to the most outstanding graduating senior majoring in geology.

The John A. Hardin Award

A book is presented to the most outstanding senior mathematics major who has a 3.5 minimum grade point average and has shown potential creativity in the field of mathematics.

Weems, Wright, Shimpf, Hayter, & Carmouche Pre-Law Award

The recipient is selected from pre-law students from various disciplines on basis of grade point average.

The A. J. and Nona Trigg Hodges Choir Spirit Award

Checks are presented to the man and woman voted by their peers to be the most outstanding choir members.

President's Trophy

The President's Trophy is awarded to the fraternity and sorority with the highest grade point average for the Fall Semester.

George T. Dilovas Award

Theta Chi fraternity presents a plaque to the graduating student member who is deemed by the chapter to be an exemplary Theta Chi.

R. Thomas Merrill Foreign Language Award

A check is presented to a student who has demonstrated outstanding performance in a foreign language.

The C. Wright Mills Award

An award is presented to the sociology major best exemplifying C. Wright Mills' vision of promise of sociology and demonstrating sociological imagination.

Poppy K. Moon-Mentesana Outstanding Woman Scientist Award

Awarded to the outstanding female natural science major who is in their junior or senior year of study.

Outstanding American History Student

The Colonial Dames of America, Chapter 6, present a check to the student who has the most outstanding record of academic success in American History.

Outstanding Athletes Award

Plaques are presented to the man and woman who through their performance during the academic year did the most to enhance the image of Centenary's intercollegiate athletic program.

Outstanding Freshman Music Major Award – Shirley Hawn Award

A plaque is presented to an outstanding freshman music major.

Outstanding Graduating Music Major Award

A plaque is presented to a music major completing the senior year.

Health And Exercise Science Award

Plaques are presented to the man and woman receiving the B.S. degree in Health and Exercise Science who have maintained high grade point averages and displayed evidence of departmental leadership and professionalism.

The Thomas Pitt Award

A check is presented to the junior or senior student planning a church-related career who has demonstrated significant academic performance as evidenced by the grade point average in religious studies.

The Dr. W. Ferrell Pledger Honor Award In Sociology

A check is presented to the sociology major graduating with the highest grade point average. The recipient's name is also engraved on a departmental plaque.

Psychology Award

A check is presented to the outstanding psychology major chosen by the department.

Cecil E. Ramey, Jr., Frost School Of Business Award

A check is presented to an outstanding student chosen on the basis of scholarship, leadership, character, and service to Centenary College.

The Charles M. Ross Scholarship Award

Two $1,000 scholarships are awarded seniors committed to world service for graduate training in the fields of religion, sociology, medicine and education.

The Peggy Rountree Award

A plaque hangs in the Chi Omega House honoring the member who depicts the ideals of Peggy Rountree, — vivacity, extroversion, involvement on campus, high standards of scholarship.

S.G.A. Bullet Award

The Student Government Association recognizes a senator, officer or chairperson for outstanding service to Centenary through the S.G.A.

S.G.A. Recognition

Certificates are presented to the officers of the Senate in appreciation of their leadership.

The James Sears Award

Presented at the Church Careers Endorsement Service to the student pursuing a church-related career who has made a substantial contribution to the church careers community.

Sigma Tau Delta Award

The name of the senior student graduating in English with the highest cumulative grade point average is engraved on a plaque which hangs in the Library.

The Dean R. E. Smith Award

A check is presented to the student who has been highly involved in and made significant contribution to the religious activities program.

The Sue Soloman Award

A plaque to be hung in the Chi Omega House honors the graduating Chi Omega senior with the highest grade point average.

The W. A. Tarr Award

Sigma Gamma Epsilon National Earth Science Honor Society presents a certificate to the individual who has contributed the most to the chapter's activities and welfare, and who best exemplifies the traditions of the society.

The Leroy Vogel Memorial Award

An award is presented to the outstanding graduating senior majoring in history or political science, based on overall academic achievement in his or her major.

Who'S Who Among Students In Universities And Colleges

Certificates are presented to juniors and seniors selected on the basis of grade point average, leadership, service to the college community, and potential for future achievement.

Zeta Tau Alpha Award

This award is presented to the chapter member who has the highest grade point average.

Courses of Instruction

Degree Offerings

Centenary College offers three undergraduate degree programs, one leading to the Bachelor of Arts, another to the Bachelor of Science, and a third to the Bachelor of Music. B.A. degree programs include the following majors:

Art
Christian Education
Communication
Dance
Economics
English
Foreign Languages (any major-minor combination of French, German, Latin and Spanish)
French
Geology
German
History
Latin
Liberal Arts
Mathematics
Music
Performing Arts
Philosophy
Physics
Political Science
Psychology
Religious Studies
Social Studies Education
Sociology
Spanish
Speech
Theatre

B.S. degree programs include the following majors:

Accounting
Biochemistry
Biology
Biophysics
Business
Chemistry
Elementary Education
Environmental Sciences
Finance
Geology
Health and Exercise Science
Health and Physical Education (Teacher Certification)
Mathematics
Neuroscience
Physics
Psychology
Science Education

B.S., B.A. combined degree in Engineering

B.M. degree programs include the following majors:

Performance
Theory and Composition
Music Education
Sacred Music

Liberal Arts Major

Students who do not wish to concentrate in a single discipline may elect to major in the "Liberal Arts," and under the guidance of a faculty committee select three or four departments in which they will complete the requirements of this major. In addition to the core requirements, such students must complete work in a foreign language through the intermediate level and forty-eight hours in the three or four major departments selected

with a minimum of twelve hours in each of the departments. These departments must represent more than one of the academic divisions of the College. Twenty-four of the major hours must be at the 300 level or above, and any of the forty-eight may be used to fulfill core requirements.

All Liberal Arts majors are required to participate in a Senior Seminar as a capstone course. Selection of the particular capstone course shall be made by the Liberal Arts major in consultation with the faculty committee representing the student's major departments prior to approval of the degree plan.

The student wishing to pursue the B.A. degree in Liberal Arts must apply to the Liberal Arts Chair for admission.

Interdisciplinary Major

A student may design an interdisciplinary major by presenting a detailed written proposal stating goals and identifying the departments and courses involved. The proposal will be prepared with the support of an advisor, who will assume responsibility for the program throughout its course, and in consultation with the appropriate departmental chairpersons.

An interdisciplinary major should be a flexibly designed program integrating courses from two or more departments that broadens rather than narrows the scope of the College's traditional majors. The student will complete at least forty-five hours in the combined disciplines. Eighteen of the major hours must be at the 300 level or above, and any of the forty-five hours may be used to fulfill core requirements. All interdisciplinary majors are required to participate in a Senior Seminar (p. 55).

A proposal for an interdisciplinary major must be submitted to Liberal Arts Chair and be approved by the Course Review and Petitions Committee.

Bachelor Of Arts In Dance

This degree is designed for students who wish to pursue a career in dance as teachers, performers and/or choreographers. (See p. 195.)

Bachelor Of Arts In Performing Arts

This degree is designed for students who want to pursue a career in performing arts. Prospective candidates must audition and demonstrate a strong potential in one of the three areas of concentration: acting, dance, or music, in order to be accepted. (See p. 196.)

The Bachelor Of Music Degree

The various majors under the Bachelor of Music degree are designed to prepare students for professional careers in the fields of music education, performance, sacred music, and music theory/composition. For specific degree requirements, see pages 163-168.

Academic Programs

Centenary is primarily a liberal arts college; it is nonetheless, sensitive to the special professional and vocational needs of students in the 21st century. With these needs in mind, the College offers a variety of programs specially designed to provide students the requisite training in a particular field so that they will have, upon graduation, a choice of options such as graduate study, additional professional training in a business or industry, or direct entry into a career.

A program, defined in terms of these special needs, is a formalized body of academic courses and practical field opportunities intended for the student who wishes to explore pre-professional preparation or to enter a career directly upon graduation. The academic

and practical experiences are designed to assist the student in developing skills, insights, practical information, and academic background that relate to definite career choices.

Students interested in a program should apply to the program coordinator for a plan of study and field experiences. Students may enter a program no earlier than the sophomore year; normally, field experiences will not begin until the junior year. Programs and majors should not be confused; they are two different entities. The course work in any program does not constitute a major. For example, elementary education is a major; secondary education is a program; biology and chemistry are majors; pre-medicine is a program; Christian education is a major; church careers is a program.

While Centenary College encourages participation in a program, it is possible for a student to have a major and not be enrolled in a program. However, it is not possible for a student to receive a degree from Centenary College solely by participating in a program; he or she must also have a major.

Pre-Professional Programs

Certain programs are designed to prepare the student for graduate and professional school. The following is a list of the current pre-professional programs and program coordinators:

Church Careers Institute	The Reverend Betsy Bingham Eaves
Dentistry	Dr. Joni Drost
Engineering	Mr. Derrick Head
Law	Dr. Rodney Grunes
Mathematics	Dr. David Thomas
Medical Technology	Dr. Beth Leuck
Medicine	Dr. Joni Drost
Nuclear Medicine Technology	Dr. Beth Leuck
Nursing	Dr. Beth Leuck
Occupational Therapy	Dr. Victoria LeFevers
Pharmacy	Dr. Beth Leuck
Physical Therapy	Dr. Victoria LeFevers
Physician Assistant	Dr. Beth Leuck
Theology	Dr. David Otto
Veterinary Medicine	Dr. Beth Leuck

Allied Health Fields

These programs are designed to allow students to major in any Department of Centenary College while they also pursue preparatory courses for graduate study in one of the following areas: Health Administration, Medical Technology, Nursing and Nuclear Medicine, Occupational Therapy, Pharmacy, Physical Therapy, and Physician Assistant. Please see program coordinators for further information.

The 3/2 program in Speech-Language Pathology/Audiology requires students to complete the specified track in the Psychology department.

Church Careers Institute (CCI)

The Church Careers Institute (CCI) is a an intensive, nine-month training program for full-time Centenary students who want to explore a particular topic related to Christian vocation and professional ministry. Yearly topics include:

- *Spiritual Disciplines* (2001-2002) Study and experience Christian practices such as prayer, meditation, and reading.

- *Youth Ministries* (2002-2003) Explore theoretical and practical approaches to ministry with youth.
- *The 21st Century Church* (2003-2004) Investigate new approaches to church leadership, worship, and education ministries with a special emphasis in the use of technology.
- *Christian Education* (2004-2005) Examine theoretical and practical approaches to all areas of Christian education within a congregation.

Students accepted to the Church Careers Institute must attend special workshops, led by recognized experts in the field of investigation. Further, CCI participants commit to four hours of supervised internship per week, attend a weekly small group session, and write several reflection papers based on internships and required readings. At the end of the nine-month Institute, students receive a Certificate of Completion, recognizing the quality of training received in the topic area. Students who successfully complete three Institutes will obtain a Certificate of Endorsement; a document recognized by many regional faith communities as proof of one's readiness for professional ministry, seminary training or local church involvement.

Each participant of the Church Careers Institute will also enroll in REL 200, Church Careers. This one-hour P/D/F credit course may be repeated a maximum of eight times. Credit is based on successful completion of the specific semester requirements of the CCI.

The Church Careers Institute is comprised of persons from many different Christian denominations and traditions. In the midst of such diversity, students learn and grow. Interested students should contact the Church Careers Institute Office (318.869.5156 or cci@centenary.edu).

Pre-Law

The Association of American Law Schools considers it unwise for a college to specify one particular curriculum for all undergraduate students who intend to enter law school. Rather, it advises the student to select a major in a rigorous, demanding, and personally satisfying area of study.

Entering pre-law students who have not selected a particular academic major are assigned to a faculty member designated to assist such students in the choice of a major. Later both the major adviser and the pre-law adviser continue to advise pre-law students.

"Three-Two" (and "Three-One") Programs
Engineering Dual Degree Program (3-2 or Combined Plan)

Centenary, in cooperation with Case Western Reserve University, Columbia University, Texas A&M University, and Washington University in St. Louis, offers a Dual Degree Program in liberal arts and engineering. (This program is sometimes referred to as a 3-2 Program or a Combined Plan.) Each student under this program pursues concentrated studies in the liberal arts and engineering sciences at Centenary for three years, followed by two or more years of study in professional engineering courses at one of the cooperating universities. The student earns a B.A. degree from Centenary in either mathematics or physics and the B.S. degree in engineering from the cooperating university. Students under this program are exempted from the senior seminar at Centenary. Students interested in the Dual Degree Program in Engineering should consult the coordinator of the program.

Mathematics/Computer Science

This program is designed to enable a student to finish two degrees in five years, a B.A. in mathematics from Centenary and a B.S. in computer science from Southern Methodist University. A student completing this program is prepared to work interchangeably in computer science and other mathematically related fields or to continue study in graduate school either in computer science or in pure or applied mathematics.

Since this program is planned to begin with a first course in calculus, the recommended high school background should include trigonometry and advanced mathematics.

Further information may be obtained from the Coordinator of Programs in Computer Science. (See below.)

Medicine

In addition to a standard, four-year pre-medical program wherein a student would take a bachelor's degree, the College also offers a "three-one" program for students interested in the study of medicine. Under this plan, the student may complete all major and general education requirements in three years of study at Centenary and upon successful completion of one year of medical school, the B.S. degree is awarded by the College. Interested students should confer with the coordinator of the pre-medicine program.

Career Preparation

The following is a list of current professional programs designed to prepare students for entry into a career immediately upon graduation; for additional information concerning any of these, contact the appropriate program coordinator.

ACCOUNTING (Major)	Dr. Christopher Martin
BUSINESS/SPANISH (Major)	Dr. Maureen McKenna
CHURCH CAREERS	The Reverend Betsy Bingham Eaves
COMMUNICATION (Major)	Dr. Gregory VanHoosier-Carey
COMPUTER SCIENCE	Dr. Alfred McKinney
DANCE	Mrs. Ginger Folmer
EARLY CHILDHOOD EDUCATION	Dr. Sue Hernandez
ECONOMICS	Dr. Christopher Martin
ELEMENTARY EDUCATION (Major)	Dr. Sue Hernandez
FINANCE	Dr. Christopher Martin
GENERAL BUSINESS (Major)	Dr. Christopher Martin
GEOLOGY (Major)	Dr. David Bieler
MUSEUM MANAGEMENT	Mr. Bruce Allen
SECONDARY EDUCATION	Dr. John Turner

Course Listings

On the following pages is a complete listing of the courses offered at Centenary College. In addition, a schedule of classes is published during the semester before each registration period which lists all sections of all courses to be offered during the succeeding session, together with the hour, day, and place of meeting, and generally the instructor in charge of each section.

Courses are numbered according to the class-year in which each is generally most profitably taken: 100-199 for freshmen, 200-299 for sophomores, 300-399 for juniors, and 400-499 for seniors. This is not an absolute restriction, but students wishing to take courses

numbered higher than their current classifications should see the chairperson of the department concerned. Courses with numbers beginning with zero carry no college credit.

Unless otherwise specified in the course description, courses normally offered in the fall semester bear odd numbers, while those offered in the spring semester carry even numbers. Courses with a single number are one-semester courses; those with double numbers are two-semester courses.

Courses organized so that the student may enroll in and receive credit for either half, or in either order, have double numbers separated by a comma: 205, 206. Year courses in which the first half is prerequisite to the second have double numbers separated by a hyphen: 205-206.

Certain special course numberings should be noted: The last digit in courses numbered 47-(required Senior Seminar), 48-(other departmental seminars) and 49-(Independent Study) reflect the number of hours credit. On transcripts, the numbers 295, 296, 395, 396 are used by the Registrar to transfer courses for which Centenary has no equivalent but which are acceptable as "Selected Topics."

Courses whose numbers are followed by a W, e.g. 357W, are designated as writing courses and will require a minimum of twelve typed pages of graded writing. The twelve pages may be small papers or one major paper. The focus is on quality of writing in the discipline, using the College style sheet or the acceptable style within that discipline. A vital part of the experience is intervention on the part of the faculty member to assist the student to reach a point of proficiency in writing.

Courses whose numbers are followed by an S, e.g. 395S, are designated as speech courses and will require at least forty-five minutes of total graded speaking time per student. The presentation(s) should be critiqued and graded on content and speech delivery. The speech(es) should contain prepared as well as spontaneous interaction to questions. Evaluation sheets will be completed for each presentation. Students with problems in speech presentation should have an opportunity to review critiques and make a second presentation. The emphasis is to improve oral communication skills.

To earn three hours' credit, the student normally spends each week three 50 minute periods in the classroom, or two or three such periods and three or more hours in the laboratory. The faculty has designated certain activity courses — in music, theatre, physical education, etc. — as one-semester-hour courses. (See p. 60) No more than eight hours earned in such courses may be credited toward the basic degree requirements.

In the following listing of courses of instruction, the number of semester hours awarded for the course is specified to the right of the course title. In the offerings of some natural science departments, the number of weekly hours of class work and laboratory is shown in parentheses at the end of the description; for example, (3-3) indicates that the course requires three hours of lecture-discussion and three hours of laboratory work each week of the semester.

Ancient and Modern Languages

Associate Professor Gruettner, *Chair*
Associate Professors: Clark, Kress
Professor Emeriti: Penuel
Professor: R. Bareikis
Assistant Professor: McKenna
Lecturers: Addington, Gomez Jurado

The program in foreign languages at Centenary is designed to provide students with a knowledge of language and culture which will be useful to them practically, intellectually, and professionally.

We seek to equip the student with the ability to understand, speak, read, and write the language. To this end, the target language is used extensively, in some courses exclusively, in the classroom. The department aims to make the learning of languages as authentic and effective as possible. Students publish a French-language newspaper, perform a Spanish play, meet with Germans and broadcast in French, German and Spanish on the college radio station.

The study of a language and its culture rooted in that language will not only provide students with invaluable insights into the nature and structure of feelings, imagination, and thought, but will also deepen their understanding of their own language and culture.

Knowledge of another language enhances employment opportunities in many fields in an increasingly interdependent world, and is the basis for a career itself. Career opportunities are found in tourism, international business, government, airlines, social work, and teaching.

Centenary provides its students opportunities for study abroad through its membership

in the consortium the Associated Colleges of the South and CODOFIL Program (Council on the Development of French in Louisiana), through exchange programs with the *l'Université de Lille* in Lille, France, the *Technische Hochschule* in Dresden, Germany, the *Universidad de Guanajato* in Guanajato, Mexico and through Modules (short courses in May) in countries such as Germany, Mexico, and Spain.

The department is equipped with satellite television which brings in programming in dozens of languages from countries around the globe. Also available is a large collection of audio-visual materials in all the languages we teach. Last, but not least, the new multimedia lab provides computer-assisted instruction in all languages.

For information regarding departmental scholarships, please write the chair of the department.

Placement And Credit Through Examination

Students with at least two years of a foreign language in high school or competent in a foreign language for other reasons are required to demonstrate their level of proficiency through examination prior to enrolling in a foreign-language course or during the first week of classes. Students may receive both advanced placement and credit for elementary and intermediate courses (101, 102; 201, 202) on the basis of their scores on examinations administered by the Department of Ancient and Modern Languages during fall orientation or on the basis of their scores on examinations of the Advanced Placement Program of the College Entrance Examination Board (AP) on the College Level Examination Program (CLEP). For specific information on the AP and CLEP tests – see pg. 27-28. See the chair of the department for information on the scheduling and evaluation of the tests.

Major Requirements For The B.A. In French, German, Or Spanish

1. Twenty-two hours (including Senior Seminar, i.e. FLNG 471-73) in the major language numbered above 202, three of which, if French or Spanish, must be selected from conversation laboratories (211, 212; 311, 312). German majors take an additional 2 hours of advanced German courses instead.
2. Supportive courses as follows:
   Choose option I or II.
   I. Nine semester hours in English courses numbered above 102.
   II. Six semester hours in English courses numbered above 102, and three semester hours in a history course approved by the adviser.

Strongly recommended are three additional hours in religion or philosophy and six hours in fine arts. In addition, German majors are expected to spend at least a semester studying or working in Germany, Austria or Switzerland.

(Students will also be advised to take, as part of the options above: English 478 or another course with emphasis on critical theory.)

Minor Requirements

1. In French or Spanish, twenty-two semester hours including:
   a. Six semester hours in courses numbered above 300, three of which shall be in literature.
   b. Two semester hours selected from conversation laboratories 211, 212; 311, 312.
2. In other languages, twenty (20) hours in the language including six semester hours in courses numbered above 300, three of which shall be in literature. German minors

have to take an additional three hours from FLNG 190, 199, 330, 393, 394.

Major Requirements For The B.A. In Latin

1. Twenty-seven hours (including Senior Seminar) in Latin courses.
2. Twenty-one hours would be in courses numbered above 102.
3. Supportive courses as follows: six semester hours chosen from Art 101, History 301, or Philosophy 301.

Minor Requirements In Latin

1. Eighteen hours in the language, including six semester hours in courses numbered above 300.

Major Requirements For The B.A. In Ancient and Modern Languages

1. Twelve semester hours in the major language in courses numbered above 202, including, if French or Spanish, three hours in conversation laboratories (211, 212; 311, 312).
2. Eight semester hours in the minor language in courses numbered above 202, including, if French or Spanish, two hours in conversation laboratories (211, 212; 311, 312).
3. Supportive courses are the same as those required for the B.A. in French, German, or Spanish.

A major may be admitted to the Department's Honors Program if he or she has attained junior standing and meets the other requirements. (See pg. 65 of the catalogue). For details, consult the department chairman.

Departmental Program; Business/Spanish Coordinate Program

This coordinate program with the School of Business is designed to prepare the business student to work in a Spanish-speaking country or a Spanish-speaking area of the United States. The student admitted to this program will normally major in business and will receive a B.S. degree.

1. Required courses in Business/Finance are 321, 323, 346, and 325.
2. Required courses in Economics are 151, 303, 311, 312, and 313.
3. Required courses in Accounting are 203-204.
4. Required courses in Spanish beyond 202 are 305, 307, and two more courses at or above the 300 level. Certain of these courses are flexibly designed to permit the students to familiarize themselves with the specialized vocabulary and literature of their field of interest.
5. Supportive requirements:
   A. MATH 109 or higher.
   B. HIST 341 or PSC 306.
   C. Computer proficiency.

Inquiries concerning the program should be addressed to Dr. Maureen McKenna of the Department of Ancient and Modern Languages.

Departmental Courses

(FLNG)

100. GREEK AND LATIN ELEMENTS IN SPECIALIZED ENGLISH TERMINOLOGY 1
No knowledge of Greek or Latin required. Analysis of English word formation from Greek and Latin elements for the prospective student in medicine, dentistry, law, and graduate work in the arts and sciences.

190. GLOBAL ASPECTS OF GERMAN LIFE AND CULTURE 3
Studies of global issues with a focus on German life and culture through film, the Internet, and the literatures of classical or modern languages in English translation. Individual topics may not be repeated for credit. No knowledge of a foreign language required. This course counts towards fulfillment of the First Year Experience and towards the minor or major in German. On demand.

300. STUDY ABROAD (CREDIT EVALUATED)
Centenary-approved enrollment in courses pursued abroad, such as concurrent registration in study abroad programs through ACS and CODOFIL.

330. METHODS OF TEACHING FOREIGN LANGUAGES 3
A study of various approaches to the teaching of foreign languages to children and adults, including readings in current theories of language teaching and learning and opportunities for observation and practice teaching. Prerequisite: completion of the intermediate level of a foreign language. On demand.

391, 392. STUDIES IN FOREIGN CULTURES:
INTRODUCTION TO LANGUAGE 3,3
A one-semester introduction to historical and descriptive linguistics with interdisciplinary applications. Some attention to the place of English in other cultures. No knowledge of a foreign language required.

393W, 394W. STUDIES IN FOREIGN CULTURES:
LITERATURES IN TRANSLATION 3,3
No knowledge of a foreign language required. Studies in the nature and ideas of foreign cultures through film and/or the literatures of classical or modern languages in English translation. Individual topics may not be repeated for credit.

400. INTERNSHIP 1-3
This course involves practical experience in the teaching of foreign languages or in the use of foreign languages in the business world.

471-73. SENIOR SEMINAR 1-3
An intensive study of a topic in language, literature, civilization, or foreign language teaching methodology. The student will make an oral presentation or at least one major paper on the topic being studied.

199. MODULE STUDIES 3
Special topics offered during the Module.

SPECIAL NOTE: Students graduating under the Centenary College of Louisiana catalog in 2000/2001 or earlier academic year can continue to cross list FLNG 391, 392, 393, 394 with ENGL 391, 392, 393, 394.

French (FREN)

101-102. ELEMENTARY FRENCH 4-4
A communicative approach to French with emphasis on all four language skills: comprehension, speaking, writing, reading.

201-202. INTERMEDIATE FRENCH 3-3
Prerequisite: FREN 101-102 or equivalent. Grammar review, development of vocabulary and fluency in oral and written expression. Readings on various aspects of French culture, including literature.

211-212. FRENCH CONVERSATION LAB - SECOND YEAR 1,1
Prerequisites: FREN 101-102 or consent of the instructor. Normally requires concurrent enrollment in French 201-202. Intensive conversational practice in a small-group setting conducted by native speakers of French. Conversation classes will involve discussion of French customs, and will stress the development of situational vocabulary. Offered every semester.

305. ADVANCED CONVERSATION AND COMPOSITION 3
Prerequisites: FREN 201-202 or equivalent. Intense conversational practice using materials from contemporary French culture including magazines, newspapers, films, and tapes featuring native speakers. Original compositions in French. Includes advanced grammar and pronunciation drill. Offered every Fall semester.

306. ADVANCED GRAMMAR AND PHONETICS 3
Prerequisites: FREN 202 or permission of the instructor. An in-depth study of the International Phonetic Alphabet and the French sound system, focusing on those features of connected speech that cause difficulty for Anglophones. Includes advanced grammar and pronunciation drills. Alternate years.

308. INTRODUCTION TO LITERARY TEXTS 3
Prerequisite: FREN 305 or equivalent. Provides an introduction to the study of French literature, and teacher techniques for reading and analyzing short stories, poetry, plays and longer prose selections. One novel will be read in its entirety. Offered every spring semester.

309. FRENCH PAINTING 3
The development of artistic independence in France (from Neo-Classicism to Cubism) is studied in its social, political and economic context. (Same as ART 309)

311-312. FRENCH CONVERSATION LAB - THIRD YEAR 1,1
Prerequisites: FREN 201-202, FREN 211-212, or consent of the instructor. Normally requires concurrent enrollment in FREN 305. Intensive conversational practice in a small-group setting conducted by native speakers of French. Conversation classes will involve discussion of French customs, articles from the French press, and will stress the development of vocabulary relating to issues of current concern in France. Offered every semester.

395,396. SELECTED TOPICS 3,3
Prerequisites: FREN 201-202 or equivalent. Study in areas of French language, civilization, or literature not covered by other courses. Individual topics may not be repeated for credit. Offered on demand.

415. LITERATURE OF THE MIDDLE AGES AND THE RENAISSANCE 3
Prerequisites: FREN 201-202 or equivalent, ENGL 201. Study of the masterpieces of medieval and Renaissance literature, including La Chanson de Roland, Tristan et Iseult, Villon, Rabelais, Montaigne, Ronsard, DuBellay and others. Alternate years.

416. LITERATURE OF THE SEVENTEENTH AND EIGHTEENTH CENTURIES 3

Prerequisites: FREN 201-202 or equivalent, ENGL 201. Study of major seventeenth and eighteenth-century writers such as Corneille, Moliere, Racine, Pascal, La Fontaine, Voltaire, Diderot, and Rousseau. Alternate years.

419. LITERATURE OF THE NINETEENTH CENTURY 3

Prerequisites: FREN 201-202 or equivalent, ENGL 201. Study of nineteenth-century French authors such as Chateaubriand, Constant, Stendhal, Hugo, Flaubert, Balzac, Baudelaire, Zola, and the Symbolist poets. Alternate years.

420. LITERATURE OF THE TWENTIETH CENTURY

Prerequisites: FREN 201-202 or equivalent, ENGL 201. Study of modern French playwrights, poets, and novelists such as Proust, Gide, Sartre, Ionesco, Claudel, Camus, Malraux. Alternate years.

421. LITERATURE OF FRENCH LOUISIANA

Prerequisites: FREN 201-202 or equivalent, ENGL 201. Study of major texts of Louisiana French and creole literature, including works by LaSalle, LeBlanc de Villeneufve, Mercier, Testut, Rouquette, and others. Offered on demand.

491-493. INDEPENDENT STUDY 1-3

Prerequisites: FREN 201-202 and permission of instructor. Study in a field of French language or literature appropriate to the student's preparation and interests. Individual topics may not be repeated for credit. Offered upon demand.

German (GER)

101-102. ELEMENTARY GERMAN 3-3

A communicative approach to contemporary German. Emphasis on speaking, listening, reading, and cultural understanding. Yearly.

201-202. INTERMEDIATE GERMAN 3-3

Prerequisites: GER 101-102 or equivalent. Conversational, reading, and writing practice, including discussions of short cultural and literary texts. Systematic review of grammar, vocabulary building, and cultural knowledge. Yearly.

301. ADVANCED GERMAN CONVERSATION AND COMPOSITION 3

Prerequisites: GER 201-202 or equivalent. Refinement and expansion of communication skills (speaking, listening, reading, and writing), vocabulary, understanding of grammatical structure, and problems of style through an analysis of literary and non-literary texts.

302. INTRODUCTION TO GERMAN LITERATURE 3

Prerequisites: GER 301 or consent of the instructor. Readings from the works of representative German writers. Conducted in German.

303-304. BUSINESS GERMAN 3-3

Prerequisites: GER 202. Students will learn how to communicate effectively in a business environment, including how to arrange meetings, and to write business letters and résumés. Offered on demand.

305. GERMAN POETRY 3

Prerequisites: GER 202 or permission by instructor. A chronological and systematic survey of the main trends in German poetry. Beginning with Old High German and ending with the analysis of poems from the early twentieth century, this course concentrates on aesthetic and sociohistorical aspects. On demand.

306. THE GERMAN SHORT STORY 3

Prerequisites: GER 202 or permission by instructor. A detailed analysis of the German short story. Emphasis on reading and writing skills. Beginning with the post-war years and ending with short stories from East German writers, this course concentrates on aesthetic and socio-historical aspects. On demand.

419. GERMAN LITERATURE OF THE NINETEENTH CENTURY 3

Prerequisites: GER 201-202 or equivalent. Selected representative writings from the works of Goethe, Schiller, Hölderlin, Kleist, Heine, Keller, and Storm. Offered on demand.

420. GERMAN LITERATURE OF THE TWENTIETH CENTURY 3

Prerequisites: GER 201-202 or equivalent. Selected representative writings from the works of Rilke, Hesse, T. Mann, Brecht, Böll, Grass, C. Wolf, Ende, and Süsskind. Offered on demand.

421. GERMAN CULTURE AND CIVILIZATION 3

Prerequisites: Completion of GER 419, 420, or permission by instructor. From literature and music to science and business, from philosophy and art to sports and entertainment: this course draws from the spheres of culture and civilization. Emphasis will be on advanced aural comprehension and writing skills. A course integrating multimedia instruction (satellite programs, video documentaries, and Internet research). On demand.

422. GERMANY TODAY 3

Prerequisites: Completion of GER 419, 420, or permission by instructor. Advanced training on writing, speaking, and aural comprehension of German, dealing with the societies, cultures, and policies of present German-speaking countries. Discussion of recent developments, political parties, interest groups, new social movements, etc. Emphasis on issues of today. Conducted in German. A course integrating multimedia instruction (satellite programs, video documentaries, and Internet research). On demand.

491-493. INDEPENDENT STUDY 1-3

Prerequisites: GER 201-202 and permission of the instructor. Study in a field of German language or literature appropriate to the student's preparation and interests.

Greek (GRK)

101-102. ELEMENTARY GREEK 3-3

An introduction to the syntax and grammar of Classical Greek. Attention to historical, cultural, and literary background. May be offered in years alternating with Greek 201-202.

201-202. INTERMEDIATE GREEK 3-3

Prerequisites: GRK 102 or equivalent. Review and further study of the syntax and grammar of Classical Greek. Introduction to literary texts of ancient authors. Some attention to New Testament usage. Historical, cultural, and literary background. Exploration of computerized resources. May be offered in years alternating with Greek 101-102.

491-493. INDEPENDENT STUDY 1-3

Prerequisites: GRK 201-202 and permission of the instructor. Study in the Greek language appropriate to the student's preparation and interests. Individual topics may not be repeated for credit. Offered upon demand.

Italian (ITAL)

101-102. ELEMENTARY ITALIAN **3-3**
An introduction to Italian with emphasis on all language skills: comprehension, speaking, reading, and composition. Offered on demand.

Hebrew (HEB)

151-152. INTRODUCTION BIBLICAL HEBREW **3-3**
Taken together, these two courses give students the vocabulary to read aloud and translate any text in the Hebrew Bible, as well as the grammatical and syntactical skills necessary to translate any narrative text in the Hebrew Bible with the help of a lexicon. As such, students will be able to discover not only "what gets lost in translation," but also what gets added or changed in translation. Offered on demand. (Same as REL 151/152)

Latin (LAT)

101-102. ELEMENTARY LATIN **3-3**
An introduction to the syntax and grammar of Classical Latin, with attention to historical, cultural, and literary background. Offered yearly.

201. INTERMEDIATE LATIN **3**
Prerequisites: LAT 102 or equivalent. Review and further study of the syntax and grammar of Classical Latin. Attention to historical, cultural, and literary background. Exploration of computerized resources. Offered yearly.

202. INTRODUCTION TO LITERARY TEXTS **3**
Prerequisites: LAT 201 or equivalent. Rapid review of the syntax and grammar of Classical Latin. Attention to historical, cultural, and literary background. Survey of Roman literature through readings in Latin of Cicero, Caesar, Catullus, and Virgil. Exploration of computerized resources. Offered yearly.

315. THE GOLDEN AGE OF LATIN PROSE **3**
Prerequisites: LAT 201-202 or equivalent. This course consists primarily of the study of selections from Cicero's speeches. The *Pro Archia* and the *First Catiiinarian Oration* will be read in their entirety. Portions of other works may be read in English translation. Areas of concentration include Cicero's political role in the years of the Late Roman Republic, his rhetorical techniques, and his use of language. An emphasis throughout the course will be on close reading and discussion of the selected works; in addition, matters of syntax and morphology will be carefully considered. Relatively brief passages from Caesar's *Gallic Commentaries* will be read in Latin for purposes of stylistic comparison. Offered in alternate years.

316. VIRGILIAN PASTORAL POETRY **3**
Prerequisites: LAT 201-202 or equivalent. This course examines Virgil's *Eclogues* as a manual of Augustan poetic technique and esthetic. Close readings of all of the *Eclogues* reveal a young and ambitious poet who is sensitive to the poetic tradition in which he writes and who is keenly interested in the relationship of pastoral poetry to the artificial and complex environment of Augustan Rome. Viewing Latin Pastoral Poetry in the light of its Hellenistic models, the course will explore Virgil's particular innovations as he develops a poetic idiom that reaches its full

expression in his epic *The Aeneid*. Offered in alternate years.

395,396. SELECTED TOPICS **3**

Prerequisites: LAT 202 or equivalent. In-depth study of prose authors and poets of the Golden and Silver Ages, such as Cicero, Catullus, Virgil, and Ovid. Attention to historical and cultural background, as well as to literary genres. Exploration of computerized resources. Offered on demand.

415. THE POETRY OF CATULLUS **3**

Prerequisites: LAT 201-202 or equivalent. This course consists of the study of the poems in the Catullan corpus. Areas of concentration include the place of Catullus' poetry in the tradition of Roman lyric, amatory, and satiric verse; perspectives on Roman society of the first half of the first century B.C.; the poet's use of language and imagery; and the structural unity of individual poems. Emphasis is placed on close readings of the poems, including treatment of literary issues, as well as of syntax and morphology. Some odes of Horace will also be read and discussed in comparison with Catullan Lyric. Offered in alternate years.

416. ROMAN EPIC POETRY **3**

Prerequisites: LAT 201-202 or equivalent. In this course students will read all of Virgil's *AeneidI* in English translation and selected passages in the Latin. The epic will be studied with close attention to the poet's use of language and imagery. A *sine qua non* in our work will be a thorough control of the Latin. Other areas of exploration include a comparison of Virgil's epic technique with that of Homer, the structural and thematic relationships of the books of the *Aeneid*, the poet's use of dactylic hexamenter, and his critique of Roman *imperium*. Offered in alternate years.

491-493. INDEPENDENT STUDY **1-3**

Prerequisite: Permission of instructor. Advanced study in the Latin writers such as Cicero, Virgil, Ovid, Plautus, Terence, Livy, Sallust, and Lucretius. Individual topics may not be repeated for credit.

Spanish (SPAN)

101-102. ELEMENTARY SPANISH **4-4**

An introduction to the Spanish language with emphasis on developing speaking, listening, reading, and writing skills as well as cultural understanding.

201-202. INTERMEDIATE SPANISH **3-3**

Prerequisites: SPAN 101-102. Continued development of speaking, listening, reading, and writing skills. Course includes discussion of films and readings as well as grammar review and writing practice.

211-212. SPANISH CONVERSATION LAB **1,1**

Prerequisites: SPAN 101-102 or consent of the instructor. Normally requires concurrent enrollment in SPAN 201-202. Intensive conversational practice in a very small group, involving discussion of Hispanic customs and the development of situational vocabulary. Offered every semester.

305. ADVANCED SPANISH GRAMMAR AND CONVERSATION **3**

Prerequisites: SPAN 201-202 or consent of instructor. Refinement of students' command of Spanish through readings, debates, oral presentations, creative performances, and grammar review.

307. ADVANCED SPANISH COMPOSITION **3**

Prerequisites: SPAN 201-202 or consent of instructor. Analysis of a variety of fiction and non-fiction forms and styles along with intensive practice writing in Spanish. Class is conducted in a workshop format and is strongly recommended for students who plan to take upper-level literature courses.

309. LATIN AMERICAN FILM FROM 1970 TO THE PRESENT **3**

Prerequisites: SPAN 202 or permission of instructor. A survey of contemporary Latin American films with special focus on how these films represent social problems and realities. Each film centers on a particular problem such as racism, gender discrimination, poverty, crime, or political oppression. Some attention will be given to analysis of cinematic techniques and critical approaches to the study of Latin American cinema. Offered on demand.

311-312. SPANISH CONVERSATION LAB **1,1**

Prerequisites: SPAN 201-202 or consent of the instructor. Intensive conversational practice, involving discussion of Hispanic customs, and will stress the development of situational vocabulary. Offered every semester.

315. INTRODUCTION TO US-LATINO LITERATURE **3**

Prerequisites: SPAN 202 or permission of instructor. A study of US-Latino culture and its artistic production with special attention to its literature. Themes include bilingualism, border crossings, chicana voices, and the construction of multi-cultural identities. Alternate years.

395,396. SELECTED TOPICS **3,3**

Prerequisites: SPAN 201-202, or consent of the instructor. Study in some area of Spanish or Spanish-American culture not covered elsewhere. Individual topics may not be repeated for credit. Offered on demand.

417. SPANISH LITERATURE FROM THE MIDDLE AGES THROUGH THE GOLDEN AGE **3**

Prerequisites: SPAN 201-202, or consent of instructor. A study of the masterpieces of Spanish prose and poetry from the Middle Ages through the seventeenth century. Topics include multiculturalism in early modern Spain, representations of the 'other,' the consolidation of Spain as a nation, and the formation of the Spanish literary canon. Alternate years.

419. NINETEENTH-CENTURY SPANISH LITERATURE **3**

Prerequisites: SPAN 201-202 or consent of instructor. A study of the principal nineteenth-century Spanish writers with emphasis on the novelists. Conducted in Spanish. Alternate years.

420. TWENTIETH-CENTURY SPANISH LITERATURE **3**

Prerequisites: SPAN 201-202 or consent of instructor. A study of the principal twentieth-century Spanish writers. Conducted in Spanish. Alternate years.

422. LATIN AMERICAN LITERATURE FROM 1492-1880 **3**

Prerequisites: SPAN 201-202, or consent of instructor. Works to be studied include the chronicles of the discovery of America, poetry, essays, and fictional narratives. Issues at stake in these texts are the representation of war, slavery, and cultural mestizaje the status of Indians, women, and African-Americans in the New World, and the invention of new nation states in the nineteenth-century. Alternate years.

423. LATIN AMERICAN LITERATURE IN THE TWENTIETH CENTURY **3**

Prerequisites: SPAN 201-202, or consent of instructor. Selections from contemporary Latin American prose, poetry, and drama. Themes include the relationship between art and politics

and the negotiation of national and gender identity in the face of modernization, urbanization, dictatorship, and revolution. Alternate years.

491-493. INDEPENDENT STUDY **1-3**

Prerequisites: Two courses above 202 and permission of the instructor. Study in a field of Hispanic literature, language, or civilization appropriate to the student's preparation and interests. Individual topics may not be repeated for credit.

Art (ART)

Professor: Allen, *Chair*
Professor Emeritus: Cooper
Associate Professor: G. VanHoosier-Carey
Assistant Professor: Nicoletti
Lecturers: Brodnax, Dufilho, Johnson, Nelson, Stein

The Art Department is an integral part of the liberal arts program and is not intended to take the place of a professional art school, but rather to furnish a broad background in order to increase the possibility of full artistic and critical expression. The goal of the department is to give the student sound training in drawing, painting, sculpture, art history, and technique and to encourage creative thinking and productivity.

For the B.A. in art a student must take thirty-eight (38) semester hours in the department, including:

Requirements For a B.A. in Art (with Emphasis on Painting):

(1) Studio courses, which should be taken consecutively: 103, 203, 204 or 208, 303-304 (or 354), 401-402, and 472.
(2) 101-102: Survey History of Art.
(3) 212: Basic Sculptural Form or 211: Hand Built Pottery.
(4) 301: Printmaking.
(5) 307: Materials and Techniques of Painting.

Supportive courses required are:

(1) PHIL 205: Philosophy of Art.
(2) A foreign language through the intermediate level.
(3) COMM/ENGL 282: Multimedia Writing and Literature.

Requirements For a B.A. in Art (with Emphasis on Sculpture):

(1) 103 and 203 or 208
(2) Studio courses, which should be taken are: 211, 212, 312-313, 412, 413, and 472.
(3) 101-102: Survey History of Art.
(4) 301: Printmaking.
(5) 307: Materials and Techniques of Painting.

Supportive courses required are:

(1) PHIL 205: Philosophy of Art.
(2) A foreign language through the intermediate level.
(3) COMM/ENGL 282: Multimedia Writing and Literature.

Minor Requirements:

ART 101-102, 103, 203 or 208, 211, 212 plus at least 6 hours of art courses at the 300 level.

Museum Management Program

A student may major in any area and take the following courses: ART 101-102, 103 or 203, 305, 306; COM 252; Foreign Languages 101-102, 201-202; PHIL 205; SPCH 200; ACCT 203-204; BUSN 321 and 346; 6 hours of History from HIST 102 or 103, or 301, CSC 101 and an Internship (ART 400) at the Meadows Museum or in a related area.

Departmental Honors In Art

For a student to be considered for admission to the Honors Program in Art, he or she must meet the general College requirements for admission to such programs. In addition, a student must undertake an independent studio or research project for four hours of credit beyond the thirty-eight required for an art degree. The results of the project must be presented in the senior exhibition or for publication and as an oral presentation before an audience that includes the art faculty.

001-002. ART STUDIO AND CRITIQUE **0-0**

All art majors are required to register for Art Studio every semester in which they are enrolled at Centenary. Students meet on a regular basis to review exhibitions, review issues in the arts, and critique each other's work.

101. SURVEY HISTORY OF ART I **3**

A historical survey of painting, architecture, and sculpture from prehistoric times through the Middle Ages. Fall.

102. SURVEY HISTORY OF ART II **3**

A history from the Italian Renaissance to the contemporary schools in Europe and the United States. Spring.

103. BEGINNING DRAWING **3**

Basic training stressing draftsmanship and the elements of two dimensional design. Drawing done in black and white and in color. Compositions are brought in for a weekly criticism class. This course, or its equivalent, is prerequisite to most advanced studio courses. Six studio hours a week. Fall.

107. ART APPRECIATION **3**

Arts of the past and present studied in relation to their social and cultural backgrounds. No credit toward an art major.

172. INTRODUCTION TO VISUAL CULTURE **3**

This course introduces issues and debates about how we shape, and are shaped by, different forms of visual culture such as film and video, television, painting, photography, performance art, the built environment, and information technology. Issues such as the role of visual cultures in (re)producing ideas about race, identity, sexuality and gender will also be explored. Every spring. (Same as COMM 172 & ENGL 172).

203. LIFE DRAWING **3**

Basic training stressing draftsmanship and the elements of two dimensional design using the figure as a model. Six studio hours a week. Spring.

204. ADVANCED DRAWING AND COMPOSITION **3**

Prerequisite: ART 103 or instructor's approval. The essentials are stressed through experiments with different media and methods of expression. Outside compositions done for a weekly criticism class. Six studio hours a week.

207. ART FOR THE ELEMENTARY TEACHER **3**

A study of art education as it relates to child growth and development. Emphasis is placed on methods of teaching and the development of a functional art program for grades K-8.

208. DRAFTING FOR THE THEATRE 3

Basic training emphasizing draftsmanship and rendering of 3-dimensional space and objects using traditional drafting techniques. Spring. (Same as THEA 208)

211. HAND BUILT POTTERY 3

Basic clay techniques including the design and creation of a variety of pottery forms by hand built and molded methods, along with practice in kiln loading and firing. Four hours of lecture and studio per week with outside work. Spring.

212. BEGINNING SCULPTURE 3

The basic aspects of sculpture are explored by working with clay, plaster, wire, string, wood, cardboard and other simple materials. Four hours of lecture and studio per week with outside work. Fall.

218. INTRODUCTION TO PHOTOGRAPHY 3

An introduction to the basic principles of photography as an art form, focusing upon composition, types of cameras, fundamental lens designs, and printing. Students furnish their own adjustable cameras and supplies. Fall. (Same as COMM 218).

221. INTRODUCTION TO VIDEO AND FILM PRODUCTION 3

Students will learn the basic terminology, methods and principles of film production through classroom lecture and laboratory work. Spring. (Same as COMM 221).

251. DESIGN COMMUNICATION 3

This course investigates the role design plays in human communication. Students will gain familiarity with the basic concepts and assummptions underlying design practice and learn to see applied arts such as graphic design, industrial design, architecture, and multimedia design function as communicative activities. Special attention will be given to the rhetorical methods associated with identifying design problems and implementing design solutions. Fall. (Same as COMM 251.)

290. INTERDISCIPLINARY STUDIES 3

This course is designed to facilitate the treatment of topics across disciplinary boundaries. Topics will vary from year to year. Course, but not individual topics, may be repeated for credit.

Painting a mural at the Turner Art Center

301-302. PRINTMAKING **3-3**
Prerequisite: ART 203 or instructor's approval. A study of the processes involved in the making and printing of etchings, woodcuts, linoleum block prints, and lithographs, with lecture and studio practice. Three hours a week with outside work. Fall.

303. PAINTING I **3**
Prerequisite: ART 103, 203, and 204 or 208. Proficiency in the use of oil paints is stressed, but the student is also encouraged to experiment with other media. Outside compositions will be brought in each week. Six studio hours a week.

304. PAINTING II **3**
Prerequisite: ART 303. Proficiency in the use of oil paints is stressed, but the student is also encouraged to experiment with other media. Outside compositions will be brought in each week. Six studio hours a week.

305W. HISTORY OF AMERICAN ART **3**
The cultural and artistic development of our nation over the last 400 years as expressed in painting, sculpture, architecture, graphic arts, the decorative arts, and city planning. Every other year. Spring.

306S. FOUNDATIONS OF MODERN ART **3**
The development of modernism is studied in its social, political and economic context. Every other year. Spring.

307. MATERIALS AND TECHNIQUES OF PAINTING **3**
Prerequisite: ART 203 or instructor's approval. A systematic study of the less common methods of paintings, including encaustic, polymer, egg tempera, casein, and plastics, and an examination of the techniques of some of the old masters. Lecture, studio, and outside work. Spring.

308. MATERIALS AND METHODS IN ART **3**
A study of art education as it relates to middle and high school students, with emphasis on developmental capabilities. Stress is placed on methods for teaching art and developing programs involving both two and three dimensional concepts for grades 7-12.

309. FRENCH PAINTING SINCE 1789 **3**
The development of artistic independence in France (from Neo-Classicism to Cubism) is studied in its social, political and economic content. (Same as FREN 309).

310. HISTORY OF PHOTOGRAPHY **3**
This course will introduce and examine photography from 1826 to the present, from its invention to recent controversies over the NEA funding of photographers such as Robert Mapplethorpe, Andres Serrano, and Joel-Peter Witkin. While we investigate popular applications of photography (including photojournalism and colonial, scientific, digital, and art photography), you will learn about related technological changes and historical events that perceptibly altered the medium. Spring, alternate years.

311. ADVANCED POTTERY **3**
Prerequisite: ART 211 or instructor's approval. Advanced clay forming techniques will include wheel thrown, large scale slab construction, complex molds and others. In addition, the practices of glazing and firing will be further explored. Four hours of lecture and studio per week, with outside work.

312-313. ADVANCED SCULPTURE I AND II **3-3**
Prerequisite: ART 103 or 203, and 211, 212. The materials and techniques of sculpture are explored through classroom projects and assignments in areas such as: carving, modeling,

constructing, welding, moldmaking, and casting. Four hours of lecture and studio per week plus outside work.

318. ADVANCED PHOTOGRAPHY 3

Prerequisite: ART 218 or instructor's approval. A continuation of the study of basic photography as an art form, focusing upon composition, printing, lighting design, and studio photography. Students furnish their own adjustable cameras and supplies. Spring, alternate years. (Same as COMM 318).

321. ADVANCED VIDEO AND FILM PRODUCTION 3

Prerequisite: ART 221 or instructor's approval. Students will enhance their understanding of film and video through advanced lectures and laboratory production work. Spring, alternate years. (Same as COMM 321).

351. MULTIMEDIA DESIGN 3

Prerequisite: COMM/ART 251. This course introduces students to the fundamental concepts, issues, and concerns associated with Web-based multimedia design. Course readings and exercises encourage students to explore the aesthetic and historical/cultural dimensions of design and then use this knowledge as they plan, propose, implement, and rationalize their own Web site designs. Course work will require students to attend supervised lab sessions outside of the scheduled class period. Spring. (Same as COMM 351.)

354. SCENE PAINTING AND RENDERING TECHNIQUES 3

Prerequisite: ART 103, 203 or 208. A practical study of large scale painting and rendering. Spring. (Same as THEA 354)

395-396. SELECTED TOPICS 3-3

Prerequisite: Instructor's approval. A detailed study of an area of art not normally covered in regular art courses. Courses may include, but are not limited to, arts of representation, arts and literature, French art, history of photography, history of sculpture, museum studies, and studio problems. Course, but not individual topics, may be repeated for credit.

400. ART INTERNSHIP 3

Supervised internship with an approved employer in an appropriate professional area such as museum work, commercial art and arts administration. Students are required to submit a term paper or project of equivalent value to the program director at the end of the internship. May be repeated for credit in another area. Offered on demand.

401-402. ADVANCED PAINTING III AND IV 3-3

Prerequisite: ART 304. During the final year the student is encouraged to develop a personal philosophy of painting. Instruction will depend largely upon the needs and natural inclinations of the individual student. Each student will have a senior exhibit of his/her best work. Outside compositions will be brought in each week. Six studio hours a week.

412-413. ADVANCED SCULPTURE III AND IV 3-3

Prerequisite: ART 312-313. During the final year the student is encouraged to develop a personal philosophy of sculpture. Instruction will depend largely upon the needs and natural inclinations of the individual student. Each student will have a senior exhibit of his/her best work. Four studio hours a week with outside work.

421,422. TUTORIAL IN STUDIO, VISUAL CULTURE, OR COMMUNICATIONS 1-2

Directed reading on a subject to be agreed upon by the student and faculty-tutor. May require presentation of pertinent materials in undergraduate courses under the direct supervision of an Art or Communications department faculty member.

451. ADVANCED TOPICS IN MULTIMEDIA DESIGN **2**

Prerequisite: COMM/ART 351. This course will address a particular multimedia design issue or problem, guiding students in the implementation of an appropriate design; topics will vary. Course work will require students to attend supervised lab sessions outside of the scheduled class period. On demand. (Same as COMM 451.)

472. SENIOR SEMINAR **2**

Prerequisite: Instructor's approval. A review of the history of art, and the facts and principles which are emphasized in all the courses required for a major in art. Fall semester.

491-496. INDEPENDENT STUDY IN ART **1-6**

Open to qualified students by permission of the department chairperson. Work may be done in art historical research or studio areas. The student will follow a work plan arrived at in cooperation with the instructor and must consistently furnish evidence of seriousness of purpose.

199. MODULE STUDIES **3**

Special topics offered during the Module.

Astronomy (ASTR)

Associate Professor: Lisantti lisantti@centenary.edu

The introductory course and laboratory in Astronomy are designed to broaden the student's knowledge and appreciation of mankind's place in the physical universe. This course and laboratory are taught by the faculty of the Department of Physics.

101. GENERAL ASTRONOMY (LABORATORY REQUIRED) **3**

A non-mathematical introduction to the concepts of modern astronomy. A study of the earth as a body in space and its relation to the remainder of the solar system and galaxy. Constellations, planets, stars, galaxies, star clusters, black holes, quasars, and other astronomical objects. Planetarium and observatory facilities available in the Shreveport area are used.

111. GENERAL ASTRONOMY LABORATORY **1**

Corequisite: ASTR 101. Development of skills in evaluating astronomical data. When weather permits, laboratories will be held out-of-doors to observe constellations, planets, meteors, etc.

Biochemistry (CHEM)

Professor Blakeney, *Advisor*

The science of biochemistry seeks to understand the processes of biological systems in chemical terms. As such, it is inherently interdiciplinary. A degree in biochemistry offers solid preparation for careers in the health care professions, advanced study in the biomolecular sciences, or employment in the biotechnology industry. The program of study in biochemistry is sufficiently flexible that it can be tailored to meet student's specific career goals.

Major Requirements

Bachelor Of Science

1. Chemistry courses: General Chemistry 121, 122, 123, 124; Organic Chemistry 201, 202, 211, 212; Analytical Chemistry 301, 311; Biochemistry 321, 322W, 324;

Physical Chemistry 351, Chemical Literature and Information Retrieval 361S; Senior Seminar 471. Biology courses: BIOL 101, 204, 308W or 313.

2. Supportive courses: PHYS 104, 105, 114, 115, Mathematics through 201.
3. Optional courses: Students considering advanced study in biochemistry are strongly encouraged to take CHEM 352, 353, and 354.

321. BIOCHEMISTRY I **3**

Prerequisites: CHEM 202, 212. A study of the chemical and physical properties of biological macro-molecules with emphasis on structure-function relationships, enzymatic catalysis, and bioenergetics. (Same as BIOL 321)

322W. BIOCHEMISTRY II **3**

Prerequisites: CHEM 321. A study of the chemistry and regulation of anabolic and catabolic metabolic systems, the flow of genetic information through living systems. (Same as BIOL 322)

324. BIOCHEMISTRY LABORATORY **1**

Prerequisites: Credit or concurrent registration in CHEM 322. Laboratory study designed to demonstrate biochemical techniques and methodology. (Three laboratory hours per week)

Biology (BIOL)

Professor B. Leuck, *Chair* *Professors:* Coppola, E. Leuck, McPherson
Assistant Professor: Drost

The Department of Biology strives to challenge the intellectual curiosity of students by emphasizing the complexity and interrelatedness of life systems as revealed through the unifying law of evolution. The program provides a broad biological background for both the non-science student and the future biologist. Classroom and laboratory experiences are complemented by off-campus opportunities designed to prepare students for professional and graduate programs. The biology curriculum is the appropriate choice in preparation for numerous professions related to the life sciences.

Recommendations For First-Year Students

Students intending to major in biology should enroll in BIOL 101 (Principles and Methods of Biology) in the fall of their freshman year. They should also enroll concurrently in CHEM 121/123. Students should be forewarned that if they do not enroll in CHEM 121/123 during the first semester of their freshman year, they will be unable to enroll in BIOL 204 (Cell Biology) during their second semester. In addition, biology majors with specific post-graduation goals should consult with a biology faculty member early in their academic careers to determine which courses best meet their goals.

High school graduates who have taken the Advanced Placement or CLEP test may receive credit for BIOL 101, depending on their test scores as shown on p. 27 and 28 of the catalog. The Department of Biology administers an examination during fall orientation for other students wishing advanced placement in biology. Students with acceptable AP, CLEP, or departmental test scores may start their biology curriculum with BIOL 202, 203, or 204.

Major Requirements In Biology

1. Thirty-eight semester hours in biology courses including BIOL 101, 202, 204, 303, 313, and 473. Sixteen hours must be 300-level or above. No more than six hours of the thirty-eight may be from Independent Study or Internship
   At least one course from two of the following three areas:

Cellular and molecular biology
BIOL 308W (Microbiology)
BIOL 321 (Biochemistry)
BIOL 404 (Developmental Biology)
BIOL 405 (Advanced Cell Biology)
Ecology and organismal biology
BIOL 305 (Field Botany)
BIOL 307 (Field Zoology)
BIOL 403W (Animal Behavior)
BIOL 412 (Conservation Biology)
Structure and function of organisms
BIOL 203 (Introduction to Neuroscience)
BIOL 312 (Comparative Anatomy)
BIOL 317 (Sensation and Perception)
BIOL 402S (Animal Physiology)
BIOL 410 (Advanced Neuroscience)

2. Supportive courses: CHEM 121/123, 122/124, 201/211, 202/212; PHYS 104/114, 105/115; MATH 115; ECON 303/313 or PSY 303/313 or SOC 303/313.

Minor Requirements For Biology

Students electing to minor in biology must take at least 20 hours of biology, including BIOL 101, 202 or 204, and 303 or 313. Students using this option for the purposes of teaching at the secondary level should consult state certification requirements.

Departmental Honors In Biology

For a student to be considered for admission to the Honors Program in Biology, he or she must meet the general College requirements for admission to such programs. In addition to the general requirements, a student in the Biology Honors Program must undertake an independent research project for four semester hours of credit beyond the thirty-eight hours required for the biology degree. The results of the research must be presented in a form acceptable for publication and as an oral report at the Centenary College Student Research Forum.

101. PRINCIPLES AND METHODS OF BIOLOGY 4

Introduction to major biological phenomena and methods used to study them. Topics include evolutionary processes, cell structure and function, genetic and ecological principles, and diversity of life. Students will learn to apply the scientific method to the study of the above topics. Fall.

202. STRUCTURE AND FUNCTION OF ORGANISMS 4

Prerequisite: BIOL 101. Introduction to the anatomical and physiological adaptations of organisms. Emphasis will be on how systems function in multicellular plants and animals to allow them to survive and reproduce. Spring.

203. INTRODUCTION TO NEUROSCIENCE 4

Prerequisite: BIOL 101. The fundamental principles and current problems of modern nervous system studies will be introduced. Topics include neural signaling, sensation, movement and the neural basis of cognition. The laboratory will reinforce lecture material and provide practical experience with both classical and modern methods in neuroscience. Yearly (Same as NEUR 203, PSY 203) (3-3)

204. CELL BIOLOGY 4

Prerequisites: BIOL 101, CHEM 121/123; concurrent enrollment in CHEM 122/124 strongly recommended. Survey of the fundamental principles of the cell including cellular variety, ultrastructure, cellular reproduction, metabolism, cytogenetics, and introduction to molecular biology. Spring.

303. ECOLOGY 4

Prerequisites: BIOL 101, 202. The study of relationships and interactions of living organisms with their environment at the individual, community and ecosystem levels of organization. Laboratory exercises are designed to reinforce concepts presented in lecture. Fall.

304. BIOPHYSICS AND BIO-IMAGING 3

Prerequisite: PHYS 105 and 115 or consent of instructor. The trend toward reductionism is bringing biology closer to physics along many frontiers. This course introduces the science student to those areas where these fields have merged. Topics of discussion include the structure and function of proteins and DNA, biological energy conversion, molecular and ionic transport, and sensory systems. The course also addresses the application of physical methods to biological imaging such as crystallography, NMR, PET, MRI, and microscopy. (Same as PHYS 304)

305S. FIELD BOTANY 4

Prerequisites: BIOL 101, 202. Community structure, evolution, diversity and systematics of plants. Emphasis will be placed on the natural history of the regional flora. Spring of odd-numbered years.

307S. FIELD ZOOLOGY 4

Prerequisites: BIOL 101 and 202; BIOL 303 recommended. A survey of invertebrates and vertebrates and their role in the ecosystem. Emphasis will be placed on the natural history and phylogeny of regional fauna. Spring of even-numbered years.

308W. MICROBIOLOGY 4

Prerequisites: BIOL 101, 202 or 204. A survey of microorganisms and their role in nature. The importance of bacteria, fungi, and viruses as agents of disease will be considered. The laboratory will emphasize bacterial and fungal form, function, culture and control. Spring. (3-3)

311. PHYSIOLOGICAL PSYCHOLOGY 3

A study of the physiological correlates of behavior. Emphasis on basic neuroanatomy, motor systems, sensory systems, sleep, attention, motivation, emotion, and physiological contributions to learning theory. BIOL 101 recommended. Yearly. (Same as PSY 311)

312. COMPARATIVE ANATOMY 5

Prerequisites: BIOL 102, 202. A comparative study of the vertebrate systems and their phylogenetic development. Dissections are made of the shark, mudpuppy, and cat. Fall of even-numbered years. (3-6)

313. GENETICS 4

Prerequisites: BIOL 101, 204; CHEM 121/123, 122/124. The fundamental concepts of heredity with consideration given to both modern and classical genetics. Microorganisms, as well as *Drosophila*, are used in the laboratory to acquaint the student with the procedures and techniques used by the geneticist. Fall. (3-3)

314. BIOPHYSICS INSTRUMENTATION AND IMAGING LABORATORY 1

Prerequisite: Prior or concurrent registration in BPHY 301. The laboratory course is designed to provide hands-on experience with instrumentation and imaging techniques that are commonly used by biophysics. They include many forms of spectroscopy (such as absorption,

emission, raman, nuclear, and magnetic resonance), x-ray crystallography, electrophoresis, and imaging tools (such as MRI, PET, emission microscopy and ultrasound imaging). Offered in conjunction with BPHY 301. (Same as PHYS 314)

317. SENSATION AND PERCEPTION **3**

Prerequisite: BIOL 101. This course considers the structure and function of sensory organs, sensory processing and how sensory data form and constrain our perceptions of the world. Lecture and laboratory exercises, including physiological and psychophysical experiements, will be seamlessly integrated in one three hour period per week. Fall of odd-numbered years. (Same as NEUR 317, PSY 317)

319. PSYCHOPHARMACOLOGY **3**

Prerequisite: PSY 101 or consent of the instructor. This course deals with chemical transmission in the nervous system and its modification by drugs and disease. Topics include the neural basis and pharmacological treatment of such neurological disorders as depression, obsessive-compulsive disorder and schizophrenia. Fall of even-numbered years. (Same as NEUR 319, PSY 319.)

321. BIOCHEMISTRY I **3**

Prerequisites: CHEM 202, 212. A study of the chemical and physical properties of biological macromolecules with emphasis on structure-function relationships, enzymatic catalysis, and bioenergetics. (Same as CHEM 321)

322W. BIOCHEMISTRY II **3**

Prerequisites: CHEM 202, 212, 321. A study of the chemistry and regulation of anabolic and catabolic metabolic systems, the flow of genetic information through living systems. Yearly. (Same as CHEM 322)

340. GENERAL ECOLOGY **3**

Prerequisites: BIOL 101, 202. The study of relationships and interactions of living organisms with their environment at the individual, community and ecosystem levels of organization. Field laboratory exercises are designed to reinforce concepts presented in lecture. This course is taught during module time at the Central Michigan University Biological Station, Beaver Island, MI Biology majors may substitute this course for BIOL 303. Fall.

395,396. SELECTED TOPICS **1-4**

Prerequisite: BIOL 101; other prerequisites depends upon topic. A detailed study of an area of biology not normally covered in regular courses. This course may be repeated for credit for different topics. Topics previously taught as selected topics include coastal oceans ecology, physical anthropology, exercise physiology, environmental science, mammalogy, tropical ecology, vertebrate paleontology, theory and techniques in molecular biology, immunology, and virology.

400. INTERNSHIP **1-3**

Prerequisites: Junior standing and approval of the departmental faculty. Assignments in an applied biological work experience will involve 40 hours of work per credit hour enrolled. A final written summary of the semester's work is required. On demand.

402S. ANIMAL PHYSIOLOGY **4**

Prerequisites: BIOL 101, 202. The physiological adaptations of animals to their environments. Students develop individual research projects to investigate physiological problems. Research ideas, data, and final analysis of projects will be presented orally. Fall of odd-numbered years.

403W. ANIMAL BEHAVIOR **4**

Prerequisites: BIOL 101 and junior or senior standing. A study of the evolutionary, physiologi-

cal and social behavior of animals in their natural habitats. Laboratories will involve direct observation and analysis of related data collected on animals in both natural and captive situations. Spring of even-numbered years.

404. DEVELOPMENTAL BIOLOGY 4

Prerequisites: BIOL 101, 204, 313. CHEM 201/211, 202/212. A study of gametogenesis, fertilization, and the early embryonic development of vertebrates with an emphasis on the cellular and molecular control of differentiation. Spring of odd-numbered years.

405. ADVANCED CELL BIOLOGY 4

Prerequisites: BIOL 101, 204, 308W, 313, CHEM 121/123, 122/124, 201/211, 202/212. Advanced topics in cell and molecular biology, including meiosis, specialized cellular structures, cell communication, DNA replication, transcription, translation, evolution of eukaryotic cells, and prokaryotic and fungal cell biology. On demand.

410S. ADVANCED NEUROSCIENCE 4

Prerequisites: NEUR 203, CHEM 122. Emphasis will be placed on cellular and molecular approaches to neural development and plasticity with extensive use of the primary literature. In the laboratory, students will work in research teams to pursue guided independent research. A research paper that adheres to the Journal of Neuroscience format and an oral presentation of research findings will be required. Spring of even numbered years. (Same as NEUR 410, PSY 410.) (3-3)

412S. CONSERVATION BIOLOGY 3

Prerequisites: BIOL 101, 202. BIOL 303 recommended. Conservation of genetic, species, and ecosystem diversity. Perspectives from population biology, community ecology, economics and biogeography will be presented. Spring of even-numbered years.

473. SENIOR SEMINAR: EVOLUTION 3

Prerequisite: BIOL 101, 202, 204. Survey of the origin and evolution of life on earth, the history of the science of evolution, natural selection, the neutral theory, population genetics, genome evolution, biogeography, speciation, adaptation, molecular evolution and history. Students will give oral presentations and take the Major Field Achievement Test in biology. Yearly.

491-496. INDEPENDENT STUDY 1-6

Prerequisite: 20 semester hours of biology. Each candidate must submit a written proposal for departmental approval in advance of his/her intention to register for this type of study. Research on a selected biological topic. The results of the research will be presented orally at the Centenary College Student Research Forum. On demand.

199. MODULE STUDIES 3

Special Topics offered during the module. Past topics have included food botany, Louisiana communities, marine ecology, natural history of Louisiana animals, island biology and natural history, greening of the Centenary campus, and tropical ecology.

Biophysics (BPHY)

http://biophysics.centenary.edu

Professor Rodriguez, *Advisor* jrodrigu@centenary.edu

Biophysics is an approach to biology from the perspective of the physical sciences. This major offers Centenary students the opportunity to obtain an interdisciplinary degree in a growing field that is fueling fundamental discoveries in biology and medicine.

Biophysicists study how mechanics, electricity, light, heat, and quantum effects drive the structure and function of biological systems.. Their tools include laser spectroscopy, magnetic resonance, x-ray crystallography, tunneling microscopy, and many other novel investigative tools. Their discoveries have resulted in many applications to medicine such as laser surgery, CT-scanners, positron emission tomography (PET), and magnetic resonance imaging (MRI).

Centenary has the distinction of being one of the first liberal arts institutions in the nation to offer an undergraduate B.S. degree in biophysics. The curriculum for the biophysics major was designed in consultation with major research universities and medical institutions from around the nation as well as our own Biology, Chemistry, and Physics Departments.

Major Course Requirements

BIOLOGY 101, 204, 321, 322
PHYSICS 001, 002, 104, 114, 105, 115, 204, 214, 305, 317
CHEMISTRY 121, 123, 122, 124, 201, 202, 211, 212, 324
BIOPHYSICS 304, 314, 473
PHYS 301 and 302, or six credit hours of Biophysics Research.
A choice of any 3 hour credit course above the 300 level offered by the science division, with the exception of Research courses.

Supportive Courses

MATH 115, 201, 303

304. BIOPHYSICS AND BIO-IMAGING **3**

Prerequisite: PHYS 105 and 115 or consent of instructor. The trend toward reductionism is bringing biology closer to physics along many frontiers. This course introduces the science student to those areas where these fields have merged. Topics of discussion include the structure and function of proteins and DNA, biological energy conversion, molecular and ionic transport, and sensory systems. The course also addresses the application of physical methods to biological imaging such as crystallography, NMR, PET, MRI, and microscopy. (Same as PHYS 304)

314. BIOPHYSICS INSTRUMENTATION AND IMAGING LABORATORY **1**

Prerequisite: Prior or concurrent registration in BPHY 301. The laboratory course is designed to provide hands-on experience with instrumentation and imaging techniques that are commonly used by biophysicists. They include many forms of spectroscopy (such as absorption, emission, raman, nuclear, and magnetic resonance), x-ray crystallography, electrophoresis, and imaging tools (such as MRI, PET, emission microscopy, and ultrasound imaging). Offered in conjunction with BPHY 304. (Same as PHYS 314)

461-466S. BIOPHYSICS RESEARCH **1-6**

Prerequisite: Consent of the biophysics advisor. Investigation of an original problem in biophysics under the guidance of a faculty member. The product of this research should be of sufficient quality to warrant publication. Written and oral reports are required.

473. BIOPHYSICS SEMINAR **3**

Topics in biophysics. Students will research current areas of interest in biophysics and make three one-hour oral presentations to the class.

School Of Business

Professor Martin, *Dean*
Associate Professor: Sikes
Lecturers: Ball, Griffey, Shea, Stroud
Professors: Christensen, Davis, Hoaas, Rankin
Assistant Professor: Weeks
Professors Emeriti: Morrill, Pate, Richardson, Wilcox

Accounting (ACCT)

The accounting curriculum leading to the degree of Bachelor of Science, provides a thorough education in the field of accounting. This specialized knowledge of accounting together with a broad liberal arts and business background is designed to prepare students: (1) for careers in accounting management; (2) for further academic work; (3) for careers in public accounting; and (4) for appropriate trainee positions in government.

Major Requirements For The B.S. In Accounting

1. Required Accounting courses are 203-204, 305-306, 309, 311, 335, 336, 407, 409, 473, and six (6) hours elected from 312, 418, 421, or 424 which must include either 418 or 421.
2. Supportive courses required are BUSN 321, 346, ECON 151, 303, 311, 312, 313, 329, and FIN 325.
3. Other supportive requirements include MATH 109 or higher. Students must fulfill the college computer proficiency requirement. (These courses may not be taken Pass/Fail.)

CPA Examination Requirements

Louisiana Law states that to qualify to sit for the CPA exam, one must possess one hundred fifty (150) semester hours of college credit. In addition to this overall education requirement, the following specific criteria also apply:

24 hours in accounting beyond elementary, including at least:
- 9 hours in financial and cost accounting
- 3 hours in auditing
- 3 hours in tax
- 9 hours in accounting electives, AND

24 hours in general business, including at least three hours of business law.

4-1 PROGRAM – BS IN ACCOUNTING AND MASTER OF ACCOUNTACY

Under a program offered jointly by Centenary College and Millsaps College, a student may attend Centenary for four years, completing requirements for the Bachelor of Science degree in Accounting, and then after meeting admission requirements, attend Millsaps College for one additional year, taking prescribed courses to obtain the Master of Accountancy (MAcc) degree.

Minor Requirements

Students who desire to earn a minor concentration in accounting must satisfy the following requirements:

ACCT 203-204	Principles of Accounting I & II	6 hours
ACCT 309	Cost Accounting	3 hours

ACCT 311	Income Tax Accounting I	3 hours
Electives in Accounting (except ACCT 335 & 336)		6 hours
		18 hours

Prerequisites: All accounting courses at or above the 300-level have ACCT 204 as a prerequisite.

203. PRINCIPLES OF ACCOUNTING I **3**

Prerequisite: Sophomore standing or consent of instructor. An introductory course intended to familiarize the student with the fundamental principles and methods of preparing and analyzing financial statements. Fall.

204. PRINCIPLES OF ACCOUNTING II **3**

Prerequisite: ACCT 203. An introduction to management's uses of accounting data for planning and control. Topics covered include content and interpretation of the income statement and balance sheet, uses of cost accounting, budgetary planning and control, and internal reports for management. Spring.

305-306. INTERMEDIATE ACCOUNTING I AND II **3-3**

Prerequisite: ACCT 204. An intensive study of basic accounting practices and theory relating to financial reporting. ACCT 305, Fall. ACCT 306, Spring.

309. COST ACCOUNTING **3**

Prerequisite: ACCT 204. The objectives and procedures of cost accounting for manufacturing firms. Topics include: job order and process cost systems, cost-volume-profit relationships, standard costing and variance analysis, direct costing, relevant costs, and budgeting. Fall in alternate years.

311. INCOME TAX ACCOUNTING I **3**

Background, principles, and procedures for the determination of taxable income as a basis for the individual federal income tax. Includes individual tax research and preparation of tax returns. Fall.

312S. INCOME TAX ACCOUNTING II **3**

Prerequisite: ACCT 311. Background, principles and procedures for the preparation of corporate, partnership, estates and trusts tax returns. Includes practice in the methodology of tax solutions. Spring in alternate years.

315. MANAGERIAL ACCOUNTING **3**

The use of data contained in accounting records by management in making decisions concerning pricing, expansion, production, and forecasting. Primarily for non-accountants, but helpful for accounting majors. On demand.

335. BUSINESS LAW I **3**

Prerequisite: Accounting major and the consent of the accounting department. A course in commercial law as it affects accountancy. Topics include, but are not limited to, contracts, agency, partnerships, corporations, sales, etc. Fall in alternate years.

336. BUSINESS LAW II **3**

Prerequisite: ACCT 335. A continuation of ACCT 335 for those intending to take the CPA exam. Spring in alternate years.

395,396. SELECTED TOPICS **3,3**

Prerequisite: Consent of instructor. A detailed study of an area of accounting not normally covered in regular accounting courses.

400W OR S. INTERNSHIP IN ACCOUNTANCY 3
Restricted to accounting majors. Designed to provide an opportunity for students to expand their theoretical knowledge and practical application of accounting constructs. A written and/or oral report on the internship is required. May be offered as a W or S course. May be repeated once for credit.

407. ADVANCED ACCOUNTING 3
Prerequisite: ACCT 306. Accounting principles and procedures relating to specialized topics, including bankruptcy, partnerships, estates and trusts, consolidated entities and foreign currency reporting. Spring.

409. AUDITING 3
Prerequisite: ACCT 306. A study of auditing theory and procedures involved in examining and reporting on financial statements. Includes working paper techniques and special investigation. Fall.

418W. FINANCIAL ACCOUNTING THEORY 3
Prerequisite: ACCT 306. A study of concepts and procedures of financial accounting as stated in pronouncements and releases of the major accounting associations. Fall of alternate years.

421. GOVERNMENTAL ACCOUNTING 3
Financial and managerial accounting concepts peculiar to not-for-profit entities. Spring in alternate years.

424. ACCOUNTING INFORMATION SYSTEMS 3
Prerequisite: Any course in Computer Science. A study of accounting information systems design and implementation with emphasis on the information and control functions of the management decision-making process. On demand.

473. SENIOR SEMINAR 3
Senior standing and permission of instructor. Study of a topic which integrates the student's coursework in accounting. Students will present and defend their final projects. Spring.

491-496. INDEPENDENT STUDY 1-6
Each candidate must submit written proposal for departmental approval in advance of the student's registration for the course.

199. MODULE STUDIES 3
Special topics offered during the Module.

Business (BUSN)

There is general agreement today that people in business need education in the liberal arts. Courses in the humanities, in mathematics and natural sciences, and in the social sciences equip the business person with the analytical ability and breadth and flexibility of mind necessary to relate to the complex interrelationships of business and the society as a whole. The liberal arts are the cornerstone for Centenary's business major.

The courses in business emphasize the basic skills on which the student can build a successful career through experience obtained after he/she completes college. Quantitative areas are stressed to facilitate the student's use of quantitative data for decision-making. The behavioral sciences are emphasized to provide the student with a better understanding of the behavioral patterns of formal organization and the problems which arise when people attempt to achieve common goals.

Students may be admitted to the Departmental Honors Program if they have attained junior standing and meet the other requirements. For details, consult the Dean of the School of Business.

Major Requirements For The B.S. In Business Administration

1. Thirty-three hours of business courses including ACCT 203-204, BUSN 321, 323, 346, 380S or PHIL 395S, 473, FIN 325, and six hours in business, economics, finance or accounting at 300 level or higher.
2. Supportive courses required are ECON 151, 303, 311, 312, 313, and MATH 109 or any other course in Calculus. Students must fulfill the college computer proficiency requirement. (These courses may not be taken Pass/Fail.)

Students should normally complete ACCT 204, ECON 151, MATH 109 (or higher), and the departmental supportive requirement in computer science before taking any 300- or 400-level courses in business. ECON 303 and MATH 109 are used in many upper level courses. Persons who wish to take a minor or elect an upper level business course should check with the instructor before enrolling.

Requirements For The B.S. In Business For The Business/Spanish Program

This coordinate program with the Department of Ancient and Modern Languages is designed to prepare the business student to work in a Spanish-speaking country or a Spanish-speaking area of the United States. The student admitted to this program will normally major in business and will receive a B.S. degree.

1. Required courses in Business are 321, 323, and 346, 380S or PHIL 202, and FIN 325.
2. Required courses in Economics are 151, 303, 311, 312, and 313.
3. Required courses in Accounting are 203-204.
4. Required courses in Spanish are 305, 307, and two courses above 307. Certain of these courses are flexibly designed to permit the students to familiarize themselves with the specialized vocabulary and literature of their field of interest.
5. Supportive requirements:
   A. MATH 109 or higher.
   B. HIST 341S or PSC 306.
   C. Computer proficiency.

Inquiries concerning the program should be addressed to Dr. Maureen McKenna of the Ancient and Modern Languages Department.

4-1 BS/BA and MBA

Under a program offered jointly by Centenary College and Millsaps College, a student may attend Centenary for four years, completing requirements for the Bachelor of Arts (BA) or the Bachelor of Science (BS) degrees, and then, after meeting admittance requirements, attend Millsaps for one additional year to obtain the Master of Business Administration (MBA) degree. While fulfilling the requirements for the BA or BS at Centenary, the student will take prescribed courses in Centenary's Frost School of Business. The completion of the MBA degree at Millsaps College will require a minimum of 30 additional hours of prescribed study.

Minor Requirements In Business Administration

Students who desire to earn a minor concentration in Business Administration must satisfy the following requirements:

ECON 151	Introduction to Economics	3 hours
ACCT 203-204	Principles of Accounting I & II	6 hours
BUSN 321	Principles of Management	3 hours
BUSN 346	Principles of Marketing	3 hours
	Elective in Business Administration	3 hours
		18 hours

101. CONTEMPORARY BUSINESS ISSUES 3

A study of the issues and trends faced by domestic business organizations, including interrelationships of business disciplines, ethics, the opportunities and threats faced by industry, impact of leaders in business, and economic restructuring. Fall.

217. COMMUNICATION FOR BUSINESS AND THE PROFESSIONS 3

Prerequisite: ENGL 101. Instruction and practice in the various forms of practical communications, such as correspondence and reports, with an emphasis on communicating through electronic technology. Offered on demand. (Same as COMM 217 & ENGL 217.)

295, 296. SELECTED TOPICS 3

A detailed study of an area of business not normally covered in regular business courses. On demand.

300. STUDY ABROAD (CREDIT EVALUATED)

Centenary-approved enrollment in business courses pursued abroad, such as participation in the student exchange program with the Aarhus School of Business, Denmark.

321W. PRINCIPLES OF MANAGEMENT 3

A study of organizational theory, policies, and procedures common to all institutions charged with the responsibility of achieving a common goal. Non majors should consult the instructor before enrolling in this course. Fall and Spring.

323. LEGAL ENVIRONMENT OF BUSINESS 3

A study of the legal aspects of business transactions and the legal environment in which entities operate. Fall and Spring.

328. LEADERSHIP AND HUMAN RELATIONS 3

A study of individual, small group, and organizational behavior in the business setting. The problems of motivation and communication are studied in goal-oriented activity. Non majors should consult the instructor before enrolling in this course. On demand.

340. INTERNATIONAL BUSINESS 3

Prerequisite: Junior or Senior standing. A study of business activities that cross national boundaries. Includes exports and imports, foreign direct investment, international banking, international transfer of technology, global business strategy and international marketing and law. This course presents a panorama of the most important activities in international business. International economic institutions and the theory of international trade will be studied. (Same as ECON 340.)

346. PRINCIPLES OF MARKETING 3

Prerequisite: ACCT 203. A study of distribution of goods and services from producer to consumer. Channels of distribution, marketing functions, institutions, and costs. Non majors should consult the instructor before enrolling in this course. Non majors should consult the instructor before enrolling in this course. Fall and Spring.

380S. SOCIAL RESPONSIBILITY OF BUSINESS 3

A study of the social role and responsibility of business considering both the internal and external environments of the firm. Evaluation of the social responsibility of the firm to the consumer, the employee, and the management. Coverage of the values evidenced by the management of modern business. Junior standing.

395,396. SELECTED TOPICS 3,3

Prerequisite: Consent of instructor. A detailed study of an area of business not normally covered in regular business courses. On demand.

400A. INTERNSHIP IN BUSINESS ADMINISTRATION 3

Restricted to business majors. Designed to provide an opportunity for students to expand their theoretical knowledge and practical application of administrative principles by first-hand experience in various public and private agencies. May be repeated once for credit. Consent of the instructor necessary before registering.

421. OPERATIONS MANAGEMENT 3

Prerequisites: ECON 303 and ECON 313. This course will cover the topics of quantitative decision-making theories, linear programming, logistics, work design, work teams, and material planning. Emphasis will be on contemporary policies and approaches to total quality management (TQM).

473. SENIOR SEMINAR 3

Senior standing and permission of instructor. Study of a topic which integrates the student's coursework in business. Students will present and defend their final project. Spring.

483. SEMINARS 3

Prerequisites: Junior or Senior standing and permission of instructor. Study of a specific topic in the area of business with student participation and research.

491-496. INDEPENDENT STUDY 1-6

A reading and research course open to seniors by invitation.

199. MODULE STUDIES 3

Special topics offered during the Module.

Economics (ECON)

Economics offers education for students interested in understanding our economic society, both public and private institutions. The program is broad in nature. Majors may choose to pursue graduate study in economics, business administration, law, public administration, international relations, and other areas.

Students may be admitted to the Departmental Honors Program if they have attained junior standing and meet the other requirements. For details contact the Dean of the School of Business.

Major Requirements For The B.A. In Economics

1. Thirty-four hours including 151, 303, 311, 312, 313, 329, 452, 473, and either 308 or 351, and nine additional hours selected from 308, 324, 340, 343, 351, 395, 396, 411, 412, and 451.
2. Supportive courses required are MATH 109 (or higher) and one course from HIST 103, 206, PSC 102, or 111.

Minor Requirements

Students who desire to earn a minor concentration in Economics must satisfy the following requirements:

ECON 151	Introduction to Economics	3 hours
ECON 303	Statistics	3 hours
ECON 311	Intermediate Microeconomic Theory	3 hours
ECON 312	Intermediate Macroeconomic Theory	3 hours
	Electives selcted from ECON 308, 324, 329, 340, 343, 351, 411, 412, 451, 452	9 hours
ECON 313	Business & Economics Statistics Lab	1 hour
		22 hours

BS in Business Economics (and accompanying minor)

Major requirements for the BS in Business Economics

1. Thirty-four hours including 151, 303, 311, 312, 313, 329, 452, 473, and either 324 or 340, and nine additional hours selected from 324, 340, 343, 395, 396, 411, 412, and 451. BUSN 421, FIN 426, AND FIN 450 may be taken to satisfy major elective requirements with the approval of the Economics Adviser.
2. Supportive courses required are ACCT 203 and 204, BUSN 321, 323, 346, and FIN 325.

This major allows students to complete the requirements for entrance into MBA programs with a degree that has a greater emphasis on theory than on business practice.

Minor Requirements

Students who desire to earn a minor concentration in Business Economics must satisfy the following requirements:

ECON 151	Introduction to Economics	3 hours
ECON 303	Statistics	3 hours
ECON 311	Intermediate Microeconomic Theory	3 hours
ECON 312	Intermediate Macroeconomic Theory	3 hours
ECON 313	Business and Economics Statistics Lab.	1 hour
Electives selected from ECON 324, 329, 340, 343, 411, 412, 451, 452		9 hours
		22 hours

ECON 151 is a prerequisite for all Economics Courses numbered 300 and above; also, unless waived by the department, the supportive requirement in computer science must be completed before enrollment in upper division courses.

151. INTRODUCTION TO ECONOMICS 3

An introductory study of essential concepts for understanding economic activity and economic issues involving public policy at the national level. Prerequisite for all 300- and 400-level courses.

295,296. SPECIAL TOPICS IN ECONOMICS 3,3

A study of specialized topics in economics not normally covered by other courses. On demand.

303. STATISTICS 3

Prerequisite: MATH 109. Corequisite: ECON 313. A study of descriptive statistics, probability, probability distributions, sampling techniques, estimation, hypothesis testing, regression and correlation, and time series analysis.

308W. ECONOMIC HISTORY OF THE U.S. 3
The development of economic activities in the changing U.S. institutional patterns. On demand.

311. INTERMEDIATE MICRO-ECONOMIC THEORY 3
Prerequisite: MATH 109. Economic theories of individual and business decision-making and their effects on the production and allocation of economic goods.

312. INTERMEDIATE MACRO-ECONOMIC THEORY 3
Prerequisite: MATH 109. Neoclassical, Keynesian, and modern theories of the determination of aggregate economic activity and their empirical relevance.

313. BUSINESS AND ECONOMICS STATISTICS LAB 1
Prerequisite: CSC 101 or computer proficiency. Corequisite: ECON 303. This course provides the student with the experience of actually performing statistical analysis on the computer. Applications of both descriptive statistics and inferential statistics will be used.

324. LABOR ECONOMICS 3
Development of labor movements, collective bargaining, wages and employment, and public policy. On demand.

329. MONEY AND BANKING 3
The structure and operation of money and banking institutions, with emphasis on the role of money, banking, and monetary policy in the economic life of the community. Fall. (Same as FIN 329.)

340. INTERNATIONAL ECONOMICS 3
Prerequisite: Junior or Senior standing. A study of business activities that cross national boundaries. Includes exports and imports, foreign direct investment, international banking, international transfer of technology, global business strategy and international marketing and law. This course presents a panorama of the most important activities in international business. International economic institutions and the theory of international trade will be studied. (Same as BUSN 340.)

343. PUBLIC SECTOR ECONOMICS 3
A study of welfare economic problems unique to the public sector including: the public-private mix of natural resource allocation, environmental quality, tax incidence, distribution, and public policy.

351S. EVOLUTION OF ECONOMIC THOUGHT 3
Introduction to the major schools of thought and theories that have contributed to economic principles. On demand.

361-363. READINGS IN ECONOMICS 1-3
Enrollment limited to economics majors. Students will read and discuss journal articles and classics in the field. The course may be repeated.

395,396. SPECIAL TOPICS IN ECONOMICS 3,3
A study of specialized topics in economics not normally covered by other courses. On demand.

400. INTERNSHIP IN ECONOMICS 3
Restricted to economics major. Designed to provide an opportunity for students to expand their theoretical knowledge and practical application of economic principles by first-hand experience in various public and private agencies. A written and/or oral report on the internship is required. Consent of the instructor is necessary before registration.

411. INDUSTRIAL ORGANIZATION 3
The economics of government regulation in the institutional setting of the U.S. and the private enterprise system. Recommended for political science, history, and sociology majors. On demand.

412. GLOBAL MACROECONOMICS 3
Prerequisite: ECON 312 and ECON 340. An advanced study of macroeconomic theory as it is applied among and between various economies. Topics covered include international trade and finance, the international monetary system, trans-national policies, and regional trade alliances.

451. MATHEMATICAL ECONOMICS 3
Prerequisites: ECON 311, 312, and MATH 109. A mathematical analysis of economic theory and problems, including constrained maxima and minima, linear programming, elementary differential equations, and difference equations with economic applications. Spring, alternate years.

452. ECONOMETRICS AND QUANTITATIVE ANALYSIS 3
Prerequisite: ECON 303. An introduction to the use of statistical techniques and mathematical model-building as predictive tools for both micro-economic and macro-economic applications.

473. SENIOR SEMINAR 3
Senior standing and permission of instructor. Study of a topic which integrates the student's coursework in economics. Students will present and defend their final projects.

491-496. INDEPENDENT STUDY 1-6
Independent study of economic problems. By invitation only.

199. MODULE STUDIES 3
Special topics offered during the Module.

Finance (FIN)

Students majoring in finance will explore, study, and analyze the global monetary marketplace. The study of finance emphasizes the need for analytic skills and an interest in the interrelationships between business, accounting, and economics. Upon graduation, finance graduates may either pursue graduate studies or employment with a financial services company, a financial institution, or a publicly traded firm.

Major Requirements For The B.S. In Finance

1. Thirty-three hours of finance courses including ACCT 203-204, 311, FIN 201, 325, 329, 350, 426, 450, 473, and three hours to be selected from the following: ECON 411, ECON 340, ECON 343, ACCT 421, or ACCT 312.
2. Supportive courses required are BUSN 321, 323, 346, ECON 151, 303, 311, 312, 313, and MATH 109 or any other course in Calculus. Students must fulfill the college computer proficiency requirement. (These courses may not be taken Pass/Fail.)
3. Prerequisites: ECON 151 is a prerequisite to all 300- and 400-level finance courses. Completion of ACCT 204 or concurrent enrollment in this course, is also a prerequisite to all 300- and 400-level finance courses. Persons who wish to take a minor or elect an upper level business course should consult the instructor before enrolling.

Minor Requirements In Finance

Students who desire to earn a minor concentration in Finance must satisfy the following requirements:

ACCT 203-204	Principles of Accounting I & II	6 hours
FIN 201	Consumer Finance	3 hours
FIN 325	Corporate Finance	3 hours
FIN 426	Investments	3 hours
Electives in Finance (300 level or above)		6 hours
		21 hours

201. CONSUMER FINANCE 3

Open to all students, this practical course helps individuals arrange their personal financial affairs. Topics covered include budgeting, management of financial and non-financial assets and obligations, taxes, insurance, and retirement/estate planning. Students will learn to budget disposable income in order to purchase autos, buy a home, construct a portfolio with a broker, and select insurance.

325. CORPORATE FINANCE 3

Prerequisite: ACCT 204. A study of the channels for obtaining capital for corporate promotion, expansion, and reorganization. Financial management analysis. Fall.

329. MONEY AND BANKING 3

The structure and operation of money and banking institutions, with emphasis on the role of money, banking, and monetary policy in the economic life of the community. Fall. (Same as ECON 329.)

350. PRINCIPLES OF RISK AND REAL ESTATE 3

This survey course introduces different methods of addressing personal and business risks with insurance. Students study the hazards underlying property ownership and available risk reduction alternatives provided through multiple line insurance and corporate suretyship. The course also presents important investment, financing and tax concepts for property owners and investors. Tax planning for real estate ownership, closing costs and alternative financing are introduced. The study of mortgage financing, including sources of financing, mortgage instruments, the secondary mortgage market, and mortgage calculations is surveyed for personal and commercial property ownership. Spring.

361-363. READINGS IN FINANCE 1-3

Enrollment is open to students who have completed FIN 325. Students will read and discuss journal articles and classics in the field of finance. The course may be repeated. Offered on demand.

400. INTERNSHIP IN FINANCE 3

Restricted to finance majors. Designed to provide an opportunity for students to apply their theoretical knowledge in a practical business situation by first-hand experience in finance or treasury departments of public, private, or government entities. A written/and or oral report on the internship is required. Consent of the instructor is necessary before registration. Offered on demand.

426. INVESTMENTS 3

Prerequisite: ACCT 204, ECON 303 and ECON 313. A study of the principles and problems determining sound investment policy. Fall.

450. FINANCIAL INSTITUTIONS 3

Prerequisite: ACCT 204. A survey of the markets in which funds are traded is presented with a survey of the lending and investing characteristics of selected financial institutions. The organization, operation, and management of commercial banks and credit unions are introduced with special emphasis on credit decision-making from the lender's viewpoint. Students will apply decision-making procedures to bank financial management situations, including evaluation of bank performance, capital acquisition, liquidity, and loans. Fall.

473. SENIOR SEMINAR 3

Prerequisite: ACCT 204, senior standing and permission of the instructor. The seminar is a comprehensive study of the contemporary financial theory and analysis relating to business finance. The course emphasizes a study of both classic and contemporary literature that provides students with a cross-section of modern theoretical developments in the field of business finance. Spring.

491-496. INDEPENDENT STUDY 3

Prerequisites: Junior standing and consent of the instructor based on adequate preparation in finance, business, economics, and accounting. Research topics are jointly selected by the instructor and the student. A written research report and an oral presentation at the Centenary College Student Research Forum are required. Offered on demand.

Chemistry (CHEM)

Associate Professor Ticich, *Chair* *Professors:* Blakeney, R. Martin, Seidler
Professor Emeritus: S.A. Taylor

The science of chemistry is so intimately woven into the fabric of modern society that a chemistry degree opens many career options. In addition to industrial and academic careers, training in chemistry can serve as preparation for careers in law, medicine, and business. The Department of Chemistry offers programs suitable for a wide range of career goals.

The American Chemical Society recommends standards for the training of professional chemists. Students who are interested in a career in chemistry and especially those interested in advanced study are thus strongly encouraged to pursue the program leading to the Bachelor of Science degree recommended by the American Chemical Society. Students interested in a chemistry degree as preparation for other careers such as medicine, environmental studies, secondary education, law or engineering are also encouraged to pursue this program, but may elect to follow the less rigorous program leading to a Bachelor of Science.

The Department additionally offers a Bachelor of Science in Biochemistry for students interested in biochemistry, pharmacology, medicine, dentistry, veterinary medicine or other health related fields. This program is described on a separate page in the catalog.

Modern chemistry relies heavily on sophisticated instrumental techniques. We emphasize hands-on access to state-of-the-art instrumentation throughout our curriculum, including the introductory course. Through an aggressive grant writing effort, the department has added over $600,000 of instrumentation to our holdings over the last six years. Our latest acquisitions include a 300 MHz Nuclear Magnetic Resonance Spectrometer, a high-performance liquid Chromatograph and a Scanning Tunneling Microscope.

Prospective students should have a high school background in mathematics through trigonometry. The chemistry curriculum is sequential so students should consult with the department in planning their course schedules.

Study of a foreign language is not required for a degree in chemistry but knowledge of a second language is rapidly becoming a valuable skill as economies become increasingly global.

The Department grants advanced placement to qualified students. Students seeking such placement should consult with the departmental chairperson.

Departmental Honors In Chemistry

In order for students to be considered for admission to the Departmental Honors Program in chemistry, they must meet the general college requirements for admission to such programs. Interested students should consult the department chairperson.

Major Requirements

Bachelor Of Science (American Chemical Society Recommended)

1. Chemistry courses: General Chemistry 121, 122, 123, 124; Organic Chemistry 201, 202, 211, 212; Analytical Chemistry 301, 311, Physical Chemistry 351, 352, 353, 354; Chemical Literature and Information Retrieval 361S; Instrumental Analysis 392; Advanced Inorganic Chemistry 401; Advanced Synthesis Laboratory 412; Biochemistry 321; Senior Seminar 471 and at least two additional semester hours of advanced chemistry coursework (numbered 300 or above) which includes at least 50 additional hours of laboratory experience (e.g. Chemistry Internship 400 or Independent Study 492).
2. Supportive courses: PHYS 104, 105,114, 115; Mathematics through 201.

Bachelor Of Science

1. Chemistry courses: General Chemistry 121, 122, 123, 124; Organic Chemistry 201, 202, 211, 212; Analytical Chemistry 301, 311, Physical Chemistry 351, 352, 353, 354; Chemical Literature and Information Retrieval 361S; Senior Seminar 471; two additional chemistry courses (minimum six semester hours) numbered 300 or above.
2. Supportive courses: PHYS 104, 105,114, 115; Mathematics through 201.

Minor Requirements

CHEM 121, 122, 123, 124, 201, 202, 211, 212, 301, 311, and at least two additional hours in chemistry numbered 300 or above.

121-122. GENERAL CHEMISTRY **3-3**

Survey of the structure and properties of matter using atomic and molecular theory. First course includes atomic and molecular structure, periodicity, chemical bonding, gases, solutions, stoichiometry, main group chemistry, and thermochemistry. Second course includes metals, condensed phases, intermolecular forces, acid-base equilibria, electrochemistry, organic chemistry, chemical kinetics, thermodynamics, transition metal chemistry, and selected topics.

123-124. GENERAL CHEMISTRY LABORATORY **1-1**

Prerequisite: Prior or concurrent registration in CHEM 121-122. Guided and open inquiry laboratory investigations which lead to a discovery of the principles discussed in CHEM 121-122. Introduction to gravimetric, volumetric and instrumental techniques, data analysis, and experimental design. (Three laboratory hours per week.)

105. CHEMISTRY AND SOCIETY 3

(Open only to non-science majors.) A course designed for students with little or no science background which examines the role of science, chemistry in particular, in society. Topics include energy sources, consumer chemistry, nutrition, and drugs.

115. CHEMISTRY AND SOCIETY LABORATORY 1

The laboratory work involves individual or group projects, experiments, demonstrations, or seminars. All work is designed to accompany the lecture. (Three laboratory hours per week.)

190. SPECIAL TOPICS - ENVIRONMENTAL POISONS 3

A survey of the most common toxins, past and present, which affect the quality of human life and the health of the environment. No prior college science course work is expected.

201-202. ORGANIC CHEMISTRY 3-3

Prerequisites: CHEM 122, 124. A study of the chemistry of organic compounds. These studies are based on molecular structure, the properties due to functional groups, and the mechanisms by which reactions occur. Yearly.

211-212. ORGANIC CHEMISTRY LABORATORY 1-1

Prerequisite: Concurrent registration in or credit for the corresponding lecture course 201 or 202. The laboratory work in this course is designed to allow students to cooperatively discover fundamental concepts of the science while introducing the common laboratory techniques of organic chemistry. The course emphasizes the use of modern and analytical instrumentation including Nuclear Magnetic Resonance, Infrared Spectrophotometry, Gas Chromatography, and Mass Spectroscopy.

301. ANALYTICAL CHEMISTRY 3

Prerequisites: CHEM 122, 124, and MATH 115. A study of the theory of analytical separations and the principles and methods of quantitative chemical analysis, with emphasis on the application of equili-brium theory to analytical problems. Yearly.

311. ANALYTICAL CHEMISTRY LABORATORY 1

Prerequisite: Concurrent registration in or credit for CHEM 301. Laboratory work dealing with the various separations and purification techniques and with gravimetric, volumetric, potentiometric, and colorimetric methods of analysis. Yearly. (Three laboratory hours a week.)

321. BIOCHEMISTRY I 3

Prerequisites: CHEM 202, 212. A study of the chemical and physical properties of biological macro-molecules with emphasis on structure-function relationships, enzymatic catalysis, and bioenergetics. (Same as BIOL 321)

322W. BIOCHEMISTRY II 3

Prerequisite: CHEM 321. A study of the chemistry and regulation of anabolic and catabolic metabolic systems, the flow of genetic information through living systems. Yearly. (Same as BIOL 322)

324. BIOCHEMISTRY II LABORATORY 1

Prerequisites: Credit for or concurrent registration in CHEM 322. Laboratory study designed to demonstrate biochemical techniques and methodology. (Three laboratory hours a week)

351-352. PHYSICAL CHEMISTRY I AND II 3-3

Prerequisites: CHEM 202, 212, Math 201, PHYS 105. Study of the theoretical framework, built on physical principles, that is used to understand chemical structure and reactivity. The first semester examines kinetics and thermodynamics; the second semester includes quantum mechanics, spectroscopy, and statistical mechanics.

353W-354. PHYSICAL CHEMISTRY LABORATORY I AND II **1-1**

Prerequisites: Concurrent enrollment or credit in CHEM 351-352. Laboratory investigations of the physical properties of chemical systems. First semester includes thermochemical and kinetic measurements, data and error analysis, and scientific writing in journal and review formats. Second semester includes spectroscopic techniques, principles of lasers, and computational chemistry. (Three laboratory hours per week.)

361S. CHEMICAL LITERATURE AND INFORMATION RETRIEVAL **1**

Library exercises will include understanding the use of Chemical Abstracts, Science Citation Index, on-line interactive computer files, and other sources. Students will make several oral presentations to the class. Fall of even numbered years.

392. INSTRUMENTAL ANALYSIS **4**

Prerequisite: Concurrent registration in or credit for CHEM 351. A study of the theory and application of instrumental methods for separation and analysis. Emphasis is on spectrometric, electrochemical, and chromatographic methods. Yearly. (Three hours lecture, three laboratory hours each week.) Spring of even numbered years.

395,396. SELECTED TOPICS **3,3**

Prerequisites: Junior standing and consent of the instructor based upon adequate preparation in chemistry, physics, and mathematics. A detailed study of an area of chemistry not normally covered in the regular chemistry course. Topics may include organic reaction mechanisms, hetrocyclic chemistry, nuclear chemistry, environmental chemistry. May be repeated once for credit when a different topic is offered. Offered on demand.

398. COLLOQUIUM, OAK RIDGE SEMESTER **1**

Prerequisites: Junior standing and admission by ACS Selection Committee. A program of speakers on a variety of scientific and social issues presented by staff at Oak Ridge National Laboratory under supervision of resident ACS Faculty. (Same as BIOL 398/MATH 398/PHYS 398)

399. RESEARCH, OAK RIDGE SEMESTER **1-6**

Prerequisites: Junior standing and admission to the program by the ACS Selection Committee. Research performed through participation in the ACS-Oak Ridge Semester Program under supervision of senior staff at Oak Ridge National Laboratory. (Same as BIOL 399/MATH 399/PHYS 399)

400W,S. CHEMISTRY INTERNSHIP **1-3**

Prerequisites: Junior standing and recommendation of the Chemistry Department faculty. Work in an industrial or research laboratory for a minimum of 120 hours (3 credit hours). A written and oral report on the work conducted is required. Offered on demand. May be offered as a W or S course.

401. ADVANCED INORGANIC CHEMISTRY **3**

Prerequisite: CHEM 352. A systematic study of the chemistry of the elements and their compounds based upon physical-chemical concepts. Offered on demand.

412. ADVANCED SYNTHESIS LABORATORY **3**

Prerequisite: Permission of instructor. Synthesis, purification, and characterization of selected inorganic, organic, and organometallic compounds using different types of synthetic techniques and instrumental methods of analysis. Offered on demand. (One hour lecture, six laboratory hours each week)

471. SENIOR SEMINAR **1**
Readings, discussions and presentations of selected topics in the philosophy of science, history of chemistry, and areas of current research. A comprehensive exam will be required.

491-496. INDEPENDENT STUDY **1-6**
Prerequisites: Junior standing and consent of the instructor based on adequate preparation in chemistry, physics, and mathematics. Research on an assigned problem. A written report and an oral presentation of the work are required.

199. MODULE STUDIES **3**
Special topics offered during the Module.

Communication (COMM)

Associate Professor: G. VanHoosier-Carey, Biedenharn, *Chair*
Professors: Allen & Hendricks, *Advisors - Film, Television, & Video*

Centenary's interdisciplinary program in Communication provides students with a rich body of courses through which to explore the practices and theories of human communication as a social and cultural phenomenon. The program allows students the flexibility to concentrate their major coursework in an area that best suits their personal and professional goals; after receiving an introduction to communication studies, students may pursue one of three tracks: Professional Writing, Film/Television/Video, or New Media. The program also encourages students to gain practical training in communication through internships with either local or national companies and organizations.

Professional Writing

The required interdisciplinary courses in the professional writing track allow students to investigate varied aspects of communication as they pertain to writers; individual students can tailor the track to accommodate their own particular fields of interest within writing and the larger field of communication. Students in the track receive a strong grounding in writing practice as well as vital experience in visual and speech communication and cultural analysis.

Major Requirements

Required Courses:

1. COMM 181: Introduction to Communication Studies
2. COMM 472 & COMM 441: Senior Seminar in Communication and coordinate tutorial
3. At least fifteen hours in advanced writing to be selected from the following:
   - ENGL 212: Advanced Grammar, Rhetoric, and Composition
   - COMM/ENGL 217 (BUSN 207): Communication for Business and the Professions
   - ENGL 219: Creative Writing
   - COMM/ENGL 314W (BUSN 354): Advertising and Public Relations
   - COMM/ENGL 315: The Essay
   - COMM/ENGL 316: Writing for the Mass Media
   - COMM/ENGL 319S: Screenwriting
4. At least nine hours in visual and multimedia production to be selected from the following:
   - COMM/ENGL 180: Introduction to Digital Communication

- COMM/ART 218: Introduction to Photography
- COMM/ART 221: Introduction to Video and Film Production
- COMM/ENGL 282: Multimedia Writing and Literature
- COMM/ART 318: Advanced Photography
- COMM/ART 321: Advanced Video and Film Production
- COMM/ART 351: Multimedia Design
- COMM/ART 451: Advanced Topics in Multimedia Design

5. At least nine hours in cultural history and analysis to be selected from the following:
   - ART 101: Survey History of Art I
   - ART 102: Survey History of Art II
   - THEA 112: Analysis and Criticism
   - COMM/ENGL/ART 172: Introduction to Visual Culture
   - COMM/ART 251: Design Communication
   - ART 305W: History of American Art
   - ART 306S: Foundations of Modern Art
   - ART 310: History of Photography
   - THEA 307S: History of the Theatre
   - THEA 308W: History of the Theatre
   - ENGL 361: Arts of Representation
   - ENGL 368: History of Film to 1939
   - ENGL 369: History of Film from 1939 to the Present
   - ENGL 373S: Theory and Criticism of Film
   - COMM /ENGL 383: Cyberculture
   - ENGL 478S: Literary and Cultural Theory from Plato to the Present
6. At least six hours in speech communication to be selected from the following (these courses are in addition to SPCH 200, a supportive requirement)
   - SPCH 155: Interpersonal Communication
   - SPCH 201: Introduction to Interpretation
   - SPCH 220: Small Group Communications
   - SPCH 258: Nonverbal & Cross-Cultural Communication
   - SPCH 311S: Persuasion
   - SPCH 401: Seminar in Communication Theories and Models

All communication majors are strongly encouraged to take COMM 400C: Internship in Communication. COMM 400C can be substituted for a 300- or 400-level course that covers an advanced topic related to the internship work. In other words, a writing internship can substitute for an advanced writing course, a film/television/video internship can substitute for an advanced film course, and a multimedia internship can substitute for an advanced multimedia course.

Fifteen Courses: 45 hours

Supportive Requirements:

- SPCH 200: Public Speaking
- Completion of the intermediate level of a foreign language

Minor Requirements:

1. COMM 181: Introduction to Communication Studies
2. SPCH 200: Public Speaking

3. At least fifteen hours in advanced writing to be selected from the following:
   - ENGL 212: Advanced Grammar, Rhetoric, and Composition
   - COMM/ENGL 217 (BUSN 207): Communication for Business and the Professions
   - ENGL 219: Creative Writing
   - COMM/ENGL 314W (BUSN 354): Advertising and Public Relations
   - COMM/ENGL 315: The Essay
   - COMM/ENGL 316: Writing for the Mass Media
   - COMM/ENGL 319S: Screenwriting

COMM 400C can be substituted for a 300- or 400-level course in advanced writing.

Film/Television/Video Track

The Film/Television/Video track is structured to teach students to express themselves and to communicate with others using various electronic and film media. With a liberal arts perspective and extensive production experience, students will have the opportunity to become creative artists and analysts of the media who have a strong sense of the complex realities of the role that film, television, and video play in communications.

Major Requirements:

1. COMM 181: Introduction to Communication Studies
2. COMM/ENGL/ART 172: Introduction to Visual Culture
3. COMM/ART 218: Introduction to Photography
4. COMM/ART 318: Advanced Photography
5. COMM/ART 221: Introduction to Video and Film Production
6. COMM/ART 321: Advanced Video and Film Production
7. COMM/ENGL 319S: Screenwriting
8. COMM 472, COMM 441: Senior Seminar and Tutorial in Communication
9. At least nine hours from the following courses in Film Studies:
   - ENGL 262: Shakespeare and Film
   - ENGL 368: History of Film to 1939
   - ENGL 369: History of Film from 1939 to the Present
   - ENGL 373: Film Theory and Criticism
   - ENGL 399: Seminar in Film (changing topics such as "Film and Gender" or "Hitchcock and Kubrick")
10. At least six hours in cultural history and analysis:
    - ART 101: Survey History of Art I
    - ART 102: Survey History of Art II
    - THEA 112: Analysis and Criticism
    - COMM/ART 251: Design Communication
    - ART 305W: History of American Art
    - ART 306S: Foundations of Modern Art
    - ART 310: History of Photography
    - THEA 307S: History of the Theatre
    - THEA 308W: History of the Theatre
    - ENGL 361: Arts of Representation
    - COMM/ENGL 383: Cyberculture
    - ENGL 478S: Literary and Cultural Theory from Plato to the Present
11. At least six (6) hours of multimedia and theatre production:

- COMM/ENGL 180: Introduction to Digital Communication
- THEA 205: Technical Production
- THEA 303: Acting: Character Development
- COMM/ART 282: Multimedia Writing and Literature
- COMM/ART 351: Multimedia Design
- THEA 401: Directing I
- COMM/ART 451: Advanced Topics in Multimedia Design

All communication majors are strongly encouraged to take COMM 400C: Internship in Communication. COMM 400C can be substituted for a 300- or 400-level course that covers an advanced topic related to the internship work. In other words, a writing internship can substitute for an advanced writing course, a film/television/video internship can substitute for an advanced film course, and a multimedia internship cans substitute for an advanced multimedia course.

Fifteen courses: 45 hours

Supportive Requirements:

- SPCH 200: Public Speaking.
- Completion of the intermediate level of a foreign language.

New Media Track

New media has emerged over the past ten years as a crucial component of a communication practice. The new media track allows students to explore more fully the methods and practices associated with multimedia design, web design, and electronic graphic design while also developing knowledge and practices associated with more traditional communication concentrations.

Major Requirements:

1. COMM 181: Introduction to Communication Studies
2. COMM/ENGL/ART 172: Introduction to Visual Culture
3. COMM/ENGL 180: Introduction to Digital Communication
4. COMM/ART 251: Design Communication
5. COMM/ART 351: Multimedia Design
6. COMM/ENGL 282: Multimedia Writing and Literature
7. COMM/ENGL 383: Cyberculture
8. COMM 472, COMM 441: Senior Seminar in Communication and coordinate tutorial
9. At least twelve hours in visual production to be selected from the following:
   - ART 103: Beginning Drawing and Design
   - COMM/ART 218:Introduction to Photography
   - COMM/ART 221: Introduction to Video and Film Production
   - COMM/ART 318: Advanced Photography
   - COMM/ART 321: Advanced Video and Film Production
   - COMM/ART 451: Advanced Topics in Multimedia Design
10. At least nine hours in cultural history and analysis to be selected from the following
    - ART 101: Survey History of Art I
    - ART 102: Survey History of Art II
    - THEA 112: Analysis and Criticism
    - ART 305W: History of American Art
    - ART 306S: Foundations of Modern Art

- ART 310: History of Photography
- THEA 307S: History of the Theatre
- THEA 308W: History of the Theatre
- ENGL 361: Arts of Representation
- ENGL 368: History of Film to 1939
- ENGL 369: History of Film from 1939 to the Present
- ENGL 478S: Literary and Cultural Theory from Plato to the Present

11. At least three hours in advanced writing to be selected from the following:
    - ENGL 212: Advanced Grammar, Rhetoric, and Composition
    - COMM/ENGL 217 (BUSN 207): Communication for Business and the Professions
    - ENGL 219: Creative Writing
    - COMM/ENGL 314W (BUSN 354): Advertising and Public Relations
    - COMM/ENGL 315: The Essay
    - COMM/ENGL 316: Writing for the Mass Media
    - COMM/ENGL 319S: Screenwriting

All communication majors are strongly encouraged to take COMM 400C: Internship in Communication. COMM 400C can be substituted for a 300- or 400-level course that covers an advanced topic related to the internship work. In other words, a writing internship can substitute for an advanced writing course, a film/television/video internship can substitute for an advanced film course, and a multimedia internship cans substitute for an advanced multimedia course.

Fifteen Courses: 45 hours

Supportive Requirements:

- SPCH 200: Public Speaking
- Completion of the intermediate level of a foreign language.

172. INTRODUCTION TO VISUAL CULTURE 3

This course introduces issues and debates about how we shape, and are shaped by, different forms of visual culture such as film and video, television, painting, photography, performance art, the built environment, and information technology. Issues such as the role of visual cultures in (re)producing ideas about race, identity, sexuality and gender will also be explored. Every spring. (Same as ENGL 172 & ART 172).

180. INTRODUCTION TO DIGITAL COMMUNICATION 3

Prerequisite: ENGL 101 or equivalent (may be taken concurrently). This course introduces students to the rhetorical challenges posed by new digital media forums such as the World Wide Web, email, electronic chat, newsgroups, etc. Students will investigate the relationship of these new rhetorical forums to traditional modes of communication as well as learn effective strategies for convey ideas and information in them. Strongly Recommended for COMM/ENGL 282 and COMM/ART 351. Every fall. (Same as ENGL 180).

181. INTRODUCTION TO COMMUNICATION STUDIES 3

An introductory examination of the practices and theories of human communication as a social and cultural phenomenon. Areas of study include telecommunications, photography, radio, film and television, print production, and the Internet, with a particular focus on aspects of historical development, contemporary technological convergence, and current controversies and debates within the field. Every spring.

217. COMMUNICATION FOR BUSINESS AND THE PROFESSIONS 3

Prerequisite: ENGL 101. Instruction and practice in the various forms of practical communication, such as correspondence and reports, with an emphasis on communicating through electronic technology. Every spring. (Same as ENGL 217 & BUSN 217).

218. INTRODUCTION TO PHOTOGRAPHY 3

An introduction to the basic principles of photography as an art form, focusing upon composition, types of cameras, fundamental lens designs, and printing. Students furnish their own adjustable cameras and supplies. Every fall. (Same as ART 218).

221. INTRODUCTION TO VIDEO AND FILM PRODUCTION 3

Students will learn the basic terminology, methods, and principles of film and video production through classroom lecture and laboratory production work. Every fall. (Same as ART 221)

251. DESIGN COMMUNICATION 3

This course investigates the role design plays in human communication. Students will gain familiarity with the basic concepts and assumptions underlying design practice and learn to see applied arts such as graphic design, industrial design, architecture, and multimedia design function as communicative activities. Special attention will be given to the rhetorical methods associated with identifying design problems and implementing design solutions. Every fall. (Same as ART 251).

282. MULTIMEDIA WRITING AND LITERATURE 3

Prerequisite: ENGL 101. A survey of multimedia literature in English, fro the medieval illuminated manuscript through contemporary hypertext. This course also introduces students to practical electronic media writing and hypertext design. Every fall.

314W. ADVERTISING AND PUBLIC RELATIONS 3

Prerequisite: ENGL 101. This course surveys the related fields of advertising and public relations and examines their role in contemporary society. Topics include history, law, ethics, social dynamics, and economic implications as well as creative and technical elements of the advertising and public relations campaign. The process of advertising and public relations is studied from the perspectives of art, business, and communication. Every fall. (Same as ENGL 314W).

315. THE ESSAY 3

Prerequisite: ENGL 101. A workshop course for belletristic or personal essay. Includes an overview of the essay genre as well as readings from representative essay literature. Spring of alternate years. (Same as ENGL 315).

316. WRITING FOR THE MASS MEDIA 3

Students study basic techniques and formats used in print and broadcast journalism, along with similarities and differences in style among them. Grammar, syntax accuracy, logical construction, and other elements of good writing are emphasized, along with learning to write, under deadline pressure, basic, error-free copy. Additional emphasis on keeping up with current events and trends in the world through improved research skills. Spring of alternate years. (Same as ENGL 316).

318. ADVANCED PHOTOGRAPHY 3

Prerequisite: ART 218 or Instructor's approval A continuation of the study of basic photography as an art form, focusing upon composition, printing, lighting design, and studio photography. Students furnish their own adjustable cameras and supplies. With weekly critique sessions. Spring of alternate years.. (Same as ART 318).

319S. SCREENWRITING **3**

This course is primarily a writing workshop in which students produce several different kinds of scripts for broadcast media - specifically film and video, television, and radio. Student peers as well as the instructor will act as both audience and critics in helping participants become more imaginative and disciplined writers. Goals of the course include polishing the art of good storytelling and learning how stories work within the system of the media as business. Spring of alternate years. (Same as ENGL 319S).

321. ADVANCED VIDEO AND FILM PRODUCTION **3**

Prerequisite: ART 221 or instructor's approval. Students will enhance their understanding of film and video through advanced lectures and laboratory production work. Spring of alternate years. (Same as ART 321).

351. MULTIMEDIA DESIGN **3**

Prerequisite: COMM/ART 251. This course introduces students to the fundamental concepts, issues, and concerns associated with Web-based multimedia design. Course readings and exercises encourage students to explore the aesthetic and historical/cultural dimensions of design and then use this knowledge as they plan, propose, implement, and rationalize their own Web site designs. Course work will require students to attend supervised lab sessions outside of the scheduled class period. Every spring. (Same as ART 351).

383. CYBERCULTURE **3**

Prerequisites: CSC 106, COMM/ENGL 282 or permission of instructor. This course explores the intersections of contemporary critical theory, new digital technologies, and literature. By examining computer-mediated cultures and major topics through these lenses, students develop sophisticated, scholarly and critical analyses of this rapidly-developing world. Spring of alternate years. (Same as ENGL 383).

400C. INTERNSHIP IN COMMUNICATION **1-6**

Prerequisite: Permission of the Biedenharn Chair in Communication. Supervised internship with an approved company or organization in any of the professional areas covered by the Communication major, such as video/film/television production, advertising, public relations, news or feature writing, new media design, graphic design, or marketing. Students will be required to submit a term report or project at the end of the internship to the Biedenharn Chair in Communication. May be repeated for credit for internship in another area up to a maximum of six hours. Offered each semester.

441. TUTORIAL IN COMMUNICATION **1**

Requires concurrent enrollment in COMM 472. Directed reading on a subject to be agreed upon by the student and faculty-tutor. Will require the presentation of pertinent materials in undergraduate courses under the direct supervision of a communication faculty member. Every fall.

451. ADVANCED TOPICS IN MULTIMEDIA DESIGN **3**

Prerequisite: COMM/ART 351. This course will address a particular multimedia design issue or problem, guiding students in the implementation of an appropriate design; topics will vary. Course work will require students to attend supervised lab sessions outside of the scheduled class period. On demand. (Same as ART 451).

472. SENIOR SEMINAR **2**

Requires concurrent enrollment in COMM 441. The course guides students in the design and preparation of a portfolio promoting their professional identities and activities. Every fall.

Education (EDUC)

THE LOUISIANA DEPARTMENT OF EDUCATION WILL BE APPROVING NEW CURRICULA FOR ALL EDUCATION DEGREES IN JULY 2002. PLEASE SEE THE CENTENARY DEPARTMENT OF EDUCATION FOR UPDATED DEGREE REQUIREMENTS.

Assistant Professor: Hernandez, *Chair*
Associate Professor: Turner
Professor Emerita: Gwin
Professor: K. Schwab
Assistant Professor: Coyle
Lecturers: P. Schwab, Layton, Gillespie, Mayfield, McDonald, Allain, Paris, Eason, Barnette

Education Objectives And Purposes

The Department of Education seeks to help students develop a strong, professional foundation for teaching in the elementary or secondary schools. This is accomplished by providing opportunities for developing (1) an understanding of oneself and others, (2) skills in effective communication, (3) knowledge of the role of education in American life, and (4) competencies required for being an effective teacher. A small teacher-pupil ratio allows professors to recognize students as unique individuals with specific needs and to structure courses in such a way as to encourage individuality and creativity. To enhance the learning process, the Department of Education functions cooperatively with all other components of the College.

Students seeking certification to teach must enroll in the department's programs. Within these programs, the student works with professors in academic settings that involve seminars, lectures, and field work. Students gain experience in a variety of local schools. The students are involved in a carefully planned sequence of observing, assisting, and finally teaching with master teachers who are employed by the local school system. Students are supervised by the master teacher as well as the supervising professor at Centenary College.

The teacher-education program meets the requirements for teacher certification in Louisiana. Candidates for teaching certificates in the state must fulfill the requirements for early childhood, kindergarten, elementary, or high school certification. Local schools are the setting for student teaching. The Department provides Teacher Placement Services for all who are registered in the program. The Department of Education programs are fully accredited by the Southern Association for Colleges and Schools as well as the State of Louisiana Department of Education. Department of Education programs are subject to change due to revisions in requirements for certification by the Board of Elementary and Secondary Education.

Degrees Offered/Areas Of Certification

The Department of Education offers six degrees in Education, and certification in a number of other non-Education degrees:

1. B.S. or B.A. in Elementary Education (1-8)[1]
2. B.A. in Social Studies Education (7-12)[1]
3. B.M. in Music Education (Instrumental) (K-12)[1]
4. B.M. in Music Education (Vocal) (K-12)[1]

1 All requirements found in this section of the catalog.

5. B.S. in Science Education (7-12)[2]
6. B.S. in Health/Physical Education (K-12)[3]

The Science Education degree offers certification in any two sciences (biology, chemistry, environmental science, earth science, physics, and general science, or one science and mathematics).

Also, students may earn degrees in the following areas, graduating with certification to teach in those areas: art (K-12), biology (7-12), chemistry (7-12), dance (K-12), earth science [geology], English (7-12), environmental science (7-12), French (7-12), German (7-12), Latin (7-12), mathematics (7-12), physics (7-12), Spanish (7-12), and speech (7-12).

Any foreign language certification may add nine hours of elementary courses to certify 1-12. Other add-on certifications include: kindergarten, nursery school, and computer literacy. Students in elementary education desiring additional certification in nursery school and/or kindergarten must also obtain credit in EDUC 351, 352, 453 (kindergarten) and/or 454 (nursery school).

Those seeking certification in anything except elementary education, social studies education, or science education should follow the course requirements for Secondary Education found in this section, plus the course requirements for the particular degree.

Alternative Post Baccalaureate Certification

Students who have degrees from a regionally accredited institution and are seeking teacher certification must: 1) successfully complete the PRAXIS PreProfessional Skills Tests; 2) be admitted to certification by the Teacher Education Advisory Council; 3) take all upper division work (300 and 400 level courses) and methods courses in Education at Centenary College (Post baccalaureate methods courses taken at other institutions will not be accepted by Centenary for the Alternative Certification Program); 4) successfully complete the PRAXIS Principles of Learning and Teaching Test and the PRAXIS Specialty Area test prior to student teaching. These students are eligible to simultaneously pursue the Master of Arts in Teaching which is described in the Graduate Education Catalog.

Minor In Education

Students wishing to receive a minor in the Department of Education must choose either an elementary track (Minor in Elementary Education) or a secondary track (Minor in Secondary Education). Nineteen semester hours are required for the Minor in Elementary Education including EDUC 202, 203, 210 and 305W or 306W. Eighteen semester hours are required for the Minor in Secondary Education including EDUC 201, 202, 203, 318, 340, and PSY 211. Health and Exercise Science, Music, and Foreign Language students may substitute EXSC 345, MUS 338 or 339, or FLNG 330, respectively for EDUC 340, with departmental approval. All students seeking a minor must successfully complete the PRAXIS PreProfessional Skills Tests, must make no grade below a "C" in any education course, and must maintain an overall GPA of 2.5. If a student wishes to become certified to teach, additional certification courses must be taken.

Degree Plan

Each student majoring in elementary education or certifying in secondary education must, in consultation with his or her advisor complete a degree plan. This plan, endorsed

1 Major requirements found in the music section of this catalog; certification requirements found under secondary education in this section of the catalog.
2 All requirements found in this section of the catalog.
3 Major requirements found in the health & exercise science section of the catalog; certification requirements found under secondary education of this section of the catalog.

by student, advisor, and the Education Department Chair, is filed with the Registrar before the end of the third semester. Students certifying at the secondary level must have the signature of the secondary education representative on the degree plan, and the approval of the Education Department Chair, or it will not be accepted by the Registrar.

No student will be considered for formal acceptance into the Education Department by the Teacher Education Advisory Council prior to the degree plan's being filed.

No student may enroll in a junior-level education course until and unless a degree plan has been filed and approved. Also, official acceptance into the teacher-education program must be granted by the Education Department Chair.

NOTE: Education majors are strongly advised to take GED 151E, Service-Learning in Educational Institutions, to satisfy the Service-Learning component of the Centenary Plan.[1]

Grade Requirements

a. No grade below "C" in any education course will be accepted.

b. No grade below "C" in any course required for certification will be accepted.

c. A career GPA of 2.5 is required to enter the program.

d. A career GPA of 2.5 is required to remain in the program.

e. Students falling below a 2.5 GPA will be allowed one semester of academic probation to improve their GPA with approval from the department. Failure to do so will result in removal from the Education Program.

f. Transfer students with a GPA below 2.5 will be permitted to take education courses for one probationary semester with approval from the department. Failure to improve the GPA will result in removal from the Education Program.

Praxis Requirements

a. Prior to taking 300 level Education courses, students must take and pass the PreProfessional Skills Tests in Reading, Writing, and Mathematics. Official passing scores must be in the Office of the Education Department before beginning course work.

b. Prior to Student Teaching, students must take and pass Principles of Learning and Teaching K-6 or 7-12 and their Specialty Area Test. Official passing scores must be reported to the Office of the Education Department before student teaching.

When filling in the registration forms for the PRAXIS, a student must request that scores be sent directly from Educational Testing Service (ETS) to: 1) Centenary College Department of Education (hard copy); and 2) Louisiana State Department of Education (tape transmission or hard copy). It is the student's responsibility to register for the appropriate PRAXIS tests, and to have the scores sent to the appropriate agencies in a timely manner.

Minimum scores on all tests required by the State of Louisiana for teacher certification are as follows:

PreProfessional Skills Tests (PPST)	
Reading	172
Writing	171
Mathematics	170
Reading (Computer-Based)	319
Writing (Computer-Based)	316
Mathematics (Computer-Based)	315
Principles of Learning and Teaching K-6/7-12	161/161

1 GED 151E, Service Learning in Educational Institutions, Service Learning in Public/Private Elementary, Middle, and High Schools in Caddo and Bossier Parish. Students will participate in a minimum of 30 hours in a service learning project. They may work as teachers' assistants, office assistants, tutors, or any other approved interactive position. This program is open to all students in the college.

Specialty Area Tests

Elementary Education:	
Curriculum, Instruction, and Assessment	156
Content Area Exercises	137
English Language, Literature, and Composition:	
Content Knowledge	160
Pedagogy	130
Social Studies:	
Content Knowledge	149
Interpretation of Materials	152
Art Education	No Test
Biology & General Science	580
Chemistry/Physics/General Science	530
Dance	No Test
French	520
German	500
Mathematics	550
Music Education	530
Physical Education	550
Spanish	540
Speech	No Test

Administrative Requirements

All students planning to certify as teachers must, by the end of the sophomore year, petition the Teacher Education Advisory Council (TEAC) for acceptance into the Department of Education. They must meet certain requirements of oral and written communication, GPA, English, PRAXIS, health, and appearance as determined by the TEAC. Candidates to student teach must petition the TEAC prior to the fifth week of the semester (fall or spring) prior to the student teaching experience. The TEAC will examine the candidate's academic record, PRAXIS scores, recommendations, and general fitness and readiness to student teach. Any person who does not meet all requirements has the option of appealing to the Teacher Education Advisory Council (TEAC) through the chairperson of the Education Department.

Transfer Requirements

To be admitted for teacher certification at the junior level, students must have successfully completed the required PRAXIS tests. In addition, they must meet the grade requirements listed above.

Transfer students must take all methods courses and student teaching at Centenary. In addition, a minimum of one-half of the upper division work (300 and 400 level) in the major must be taken at Centenary College.

Student Teaching

The TEAC will examine the student teaching candidate's academic record, PRAXIS scores, recommendations, and general fitness and readiness to student teach. Candidates not meeting the criteria to student teach will address the problem with their advisor and design an action plan. If denied the right to student teach, an education major may (if applicable) receive a degree in education without certification after

completing an additional nine hours of work approved by the Education Department Chair, TEAC, and the registrar. Students denied the privilege to student teach by TEAC may request a hearing before TEAC but may also retain the right to appeal to the Course Review and Petitions Committee through the Education Department Chair.

Student teaching is a full day experience. Students, therefore, will not be allowed to pursue any other course from the college during student teaching except EDUC 453 or 454 and EDUC 471. Student teaching and senior seminar are to be taken simultaneously and are considered by the college to be equivalent to full-time status. Special circumstances may be considered by TEAC if the student has exhausted all other reasonable alternatives.

The college calendar will be followed for establishing the starting and finishing dates of student teaching. Otherwise, student teachers are expected to follow the calendar of the school district to which they are assigned, including holidays.

Departmental Honors

To be considered for Departmental Honors, students must fulfill the general College requirements for honors programs. In addition, they must:

1. Apply to the chair of the department by the beginning of the junior year.
2. Complete a significant scholarly project to be researched under the direction of an education faculty member.
3. Present the results of the research before an approved body consisting of education professionals and/or majors.
4. Successfully complete all areas of the PRAXIS Examination.

Teacher Education Advisory Committee

The Teacher Education Advisory Committee (TEAC) is composed of the chair of education, all full-time teaching members of the education faculty, a member from the Exercise Science Department, and a member from the Music Department. The committee is responsible for recommending curriculum modifications, admitting teaching candidates to the Department of Education, admitting teacher education candidates to student teaching, advising the department on procedural, educational, and policy matters, and acting as a liaison between teacher education and other College departments and committees.

B. A. in Elementary Education[1]

Major Requirements:

EDUCATION	202, 203, 210, 223, 305W, 306W, 307, 308, 311, 316, 430S, 471	44

Additional Certification Requirements (includes courses that fulfill some college requirements marked with *):

PSYCHOLOGY	211*	3
FINE ARTS	SPCH 200*	3
	Any ART, DANC, MUS, SPCH, THEA in core*	3
ENGLISH	101*, 171, 2 from core including 1 at 300+ level**	13
MATHEMATICS	103, 106, any in core*	9
NATURAL SCIENCE	BIOL in core*, Physical Science in core*, Science elective	12
SOCIAL STUDIES	ECON 151, PSC 102, 103*	3

1 Must earn a "C" or better in all major and supportive requirements.

	HIST 207	3
	GEOG (any)	3
HEALTH	HLTH 101 OR 354	3
Additional Centenary Degree Requirements:		
FIRST YEAR EXPERIENCE	FYE 102	4
SOCIAL STUDIES	PSC or ECON 300+ level in core	3
FOREIGN LANGUAGE	One Year at the Elementary Level	(6) 8
MODULE	Any 199	3
CENTENARY PLAN	GED 151, 251, 351	0
COMPUTER PROFICIENCY	Test	0
ELECTIVES		(9) 7
		TOTAL 124

B. S. in Elementary Education[1]

Major Requirements:

EDUCATION	202, 203, 210, 305W, 306W, 307, 308, 311, 316, 430S, 471	41

Additional Certification Requirements (includes courses that fulfill some college requirements marked with *):

PSYCHOLOGY	211*	3
FINE ARTS	SPCH 200*	3
	Any ART, DANC, MUS, SPCH, THEA in core*	3
ENGLISH	101*, 171, 2 from core including 1 at 300+ level**	13
MATHEMATICS	103 or 104, 106, 107*, 109 or 115*	(13) 12
NATURAL SCIENCE	BIOL in core*, Physical Science in core*, Science elective	12
SOCIAL STUDIES	ECON 151, PSC 102, 103*	3
	HIST 207	3
	GEOG (any)	3
HEALTH	101 OR 354	3

Additional Centenary Degree Requirements:

FIRST YEAR EXPERIENCE	FYE 102	4
SOCIAL STUDIES	PSC 300+ level or ECON 300+ level in core	3
STATISTICS	PSY 303/313, SOC 303/313, PSC 303/313	4
MODULE	Any 199	3
CENTENARY PLAN	GED 151, 251, 351	0
COMPUTER PROFICIENCY	Test	0
ELECTIVES		(11) 12
		TOTAL 124

Secondary Education[1]

(Grades 7-12)

Certification Requirements (supportive to major) (includes courses that fulfil some college requirements marked with *):

EDUCATION	201, 202, 318, 340W (or disciplinary methods class)2, 440S, 471	22

1 Must earn a "C" or better in all major and supportive requirements.

PSYCHOLOGY	211*	3
ENGLISH	101*, 171, 2 from core including[1] at 300+ level**	13
NATURAL SCIENCE	BIOL in core*, Physical Science in core*, Science elective	12
MATHEMATICS	Any in core appropriate for major	6
SOCIAL STUDIES	HIST 205* or 206*	3
	ECON or PSC - any 2 courses in core, including 1 at 300+ level	6
	PSY or SOC	3
HEALTH/EXERCISE SCIENCE	Any	4
Additional Centenary Degree Requirements:		
FIRST YEAR EXPERIENCE	FYE 102	4
MODULE	Any 199	3
CENTENARY PLAN	GED 151, 251, 351	0
COMPUTER PROFICIENCY	Test	0

Major Requirements:

Any student seeking certification in anything except elementary education, social studies education, or science education must meet requirements for the degree in the major (art, biology, chemistry, earth science [geology], English, environmental science, French, German, health and physical education, Latin, mathematics, music education, physics, Spanish, speech) plus the requirements listed under Secondary Education in this section of the catalog. See complete and specific requirements for elementary education, social studies education, and science education in this section of the catalog.

B.S. In Science Education[1]

This degree is for those students who wish to certify in two sciences or one science and mathematics. Students will complete the requirements listed under Secondary Education and their choice of the following:

BIOLOGY		
Biology	101, 202, 204, 305, 307, 308	24
CHEMISTRY		
Chemistry	121-122, 123-124, 201, 211, 202, 212, 301, 311	21
Chemistry	321 or 351 (prerequisite of Physics 104-105 and Math 201) or other approved course	3
ENVIRONMENTAL SCIENCE		
Biology	101, 202, 303 or 340	11-12
Chemistry	121, 122, 123, 124, 201, and 211	12
Geology	101 and 103	8
GEOLOGY (EARTH SCIENCE)		
Geology	101, 103, 202-212, 311, 342 4 hours of electives in Geology	24
MATHEMATICS		
Mathematics	115, 201, 203, 303, and two courses numbered 300 or higher	21

1 Must earn a "C" or better in all major and supportive requirements.

PHYSICS		
Physics	103/113, 104/114 (Math 115 Prerequisite), 105/115 (Math 201 Prerequisite), 204/214 (Math 202 Prerequisite), 301, 302, 305, and Astronomy 101/111	25
GENERAL SCIENCE		
Biology	101 and 202,	
Chemistry	121/123 and 122/124,	
Geology	101 and 202/212,	
Physics	103/113 and 104/114	32

Science Areas

The minimum requirements for certification in each science area are listed below. Laboratories normally associated with each science shall be taken. In addition, credit or proficiency in college algebra and trigonometry is the minimum math requirement.

1. GENERAL SCIENCE

   Thirty-two semester hours, to include 8 semester hours in biology, 8 semester hours in chemistry, 8 semester hours in earth science, and 8 semester hours in physics.

   Certification may be earned in both General Science and any of the four subject areas if an additional 8 semester hours of credit is earned in each expanded area. For biology, course work must include botany, zoology, and microbiology; for chemistry, course work must include general, organic, and quantitative analysis or physical chemistry; for earth science, course work must include physical and historical geology; and, for physics, at least one semester of calculus is required in addition to the total of 16 hours of physics.

2. BIOLOGY

   Twenty semester hours, to include courses in botany, zoology, and microbiology. At least one year of college-level chemistry is required, and it is desirable that the course of study include some organic chemistry.

   Certification may be earned in biology and chemistry or biology and earth science if a total of 40 semester hours is earned in the two fields with not less than 16 in either. When the lesser number of hours is in chemistry, courses in general, organic, and quantitative analysis or physical chemistry shall be included. When the lesser number of hours is in earth sciences, courses in physical and historical geology shall be required.

3. CHEMISTRY

   Twenty semester hours, to include a minimum of one year of general chemistry, one course in organic chemistry and one course in either quantitative analysis or physical chemistry.

   Certification may be earned in chemistry and biology, chemistry and physics or chemistry and earth science if a total of 40 semester hours is earned in the two fields with not less than 16 in either. If the lesser number of hours is in biology, courses in botany, zoology, and microbiology shall be included. If the lesser number of hours is in physics, at least one semester of calculus also shall be required. When the lesser number of hours is in earth science, courses in physical and historical

1 Must earn a "C" or better in all major and supportive requirements.
2 Health and PE, Music, and Foreign Languages provide their own methods courses.

geology shall be required.

4. EARTH SCIENCE

   Twenty semester hours, to include courses in physical geology and historical geology.

   Certification may be earned in earth science and chemistry or earth science and biology or earth science and physics if a total of 40 semester hours is earned in the two fields with not less than 16 in either. When the lesser number of hours is in chemistry, courses in general, organic, and quantitative analysis or physical chemistry shall be included. If the lesser number of hours is in biology, courses in botany, zoology, and microbiology shall be included. If the lesser number of hours is in physics, at least one semester of calculus also shall be required.

5. ENVIRONMENTAL SCIENCE

   Thirty semester hours, to include 12 semester hours in biology (including general biology and ecology), 12 semester hours in chemistry (including general chemistry and organic) and 6 semester hours in earth science (including physical geology or its equivalent).

   Dual certification in environmental science and general science requires an additional two semester hours of earth science and eight semester hours of physics. Certification may be earned in both environmental science and biology with an additional four semester hours in biology and a total of 40 hours. The coursework in biology must include botany, zoology, and microbiology. Certification may be earned in both environmental science and chemistry with an additional four semester hours of chemistry and a total of 40 hours. The coursework in chemistry must include quantitative analysis or physical chemistry. Certification may be earned in environmental science and biology and chemistry with four additional semester hours of biology, four additional semester hours of chemistry and a total of 40 hours. The coursework in biology must include botany, zoology, and microbiology; and the coursework in chemistry must include quantitative analysis or physical chemistry. Certification may be earned in both environmental science and earth science with an additional 10 semester hours in earth science and a total of 40 hours. The coursework in earth science must include historical geology.

6. PHYSICS

   Twenty semester hours. Certification may be earned in both physics and mathematics if a total of 40 semester hours is earned in the two fields with not less than 16 in either. In either case, at least one semester of calculus also shall be included.

B.A. In Social Studies Education[1]

Major Requirements:

EDUCATION	201, 202, 318, 340W, 440S, 471	22

Additional Certification Requirements (includes courses that fulfill some college requirements marked with *):

PSYCHOLOGY	211*	3
ENGLISH	101*, 102, 2 from core including 1 at 300+ level**	13
MATHEMATICS	2 courses, at least 1 in core*	6
NATURAL SCIENCE	BIOL in core*, Physical Science in core*, Science elective	12

1 Must earn a "C" or better in all major and supportive requirements.

HEALTH/EXERCISE SCIENCE	Any	4
SOCIAL STUDIES	HIST 102*, 103*, 205, 206, 207	15
	HIST at 300+ level	12
	HIST 473	3
	PSC 102*, 103, 335	9
	ECON 151* and 308*, 324*, 340*, 351S*	6
	GEOG 102, 201, 205	(7) 6
	SOC (any)	3
Additional Centenary Degree Requirements:		
FIRST YEAR EXPERIENCE	FYE 102	4
FOREIGN LANGUAGE	One Year at the Elementary Level	(6) 8
MODULE	Any 199	3
CENTENARY PLAN	GED 151, 251, 351	0
COMPUTER PROFICIENCY	Test	0

201. FOUNDATIONS OF EDUCATION 3

Prerequisite: 2.5 GPA. An investigation of the history, social and philosophical foundations of education. Participation in a series of observations in community-agency learning situations at all socio-economic levels is required. Fall.

202. EDUCATIONAL PSYCHOLOGY 3

Prerequisite: 2.5 GPA. An investigation of the role and relevance of psychology in the learning process. Participation in a series of observations in community-agency learning situations at all socio-economic levels is required. Fall and Spring.

203. MULTICULTURAL EDUCATION 3

Prerequisite: 2.5 GPA. Students will examine and analyze multicultural issues as they relate to the delivery of educational programs and services in school districts. Those issues will include, but are not limited to, elitism, creedism, disability, homophobia, racism, sexism, nationalism, and groupism. Participants will learn basic, common values while accepting diversity. Fall.

205. CHILDREN'S LITERATURE 3

Prerequisite: 2.5 GPA. A survey of children's literature including categories of genres and motifs with special emphasis on literary elements; required reading and response to a wide variety of children's literature; requires practical experience in the local schools. Fall.

210. SURVEY OF HOLISTIC READING INSTRUCTION 3

Prerequisite: 2.5 GPA. Rationale and overview of integrated literacy instruction in the elementary school; emphasis on holistic reading-writing-listening-speaking strategies using the content areas as a medium through which to provide literacy experiences; exposure to traditional as well as whole language models of reading and approaches to teaching reading; addresses historical, psychological, and pedagogical foundations of reading. Fall.

223. EDUCATIONAL TECHNOLOGY 3

Prerequisite: 2.5 GPA. An examination of technological advances in education including, but not limited to, standard and interactive video, computer assisted instruction, laser disc and CD-ROM. Fall.

305W. ELEMENTARY LANGUAGE ARTS AND SOCIAL STUDIES METHODS 5

Prerequisites: EDUC 202, 203, and 2.5 GPA, minimum PRAXIS Scores (Written test: Reading 172, Writing 171, and Mathematics, 170; Computer-Based: Reading 319, Writing 316, and Mathematics 315). An integrated study of materials, methods, and problems of teaching and

learning in elementary school language arts and social studies. Participation in planned elementary school classroom settings is required. Fall.

306W. ELEMENTARY MATHEMATICS AND SCIENCE METHODS 5

Prerequisites: EDUC 202, 203, and 2.5 GPA, minimum PRAXIS Scores (Written tests: Reading 172, Writing 171, and Mathematics, 170; Computer-Based: Reading 319, Writing 316, and Mathematics 315). An integrated study of materials, methods, and problems of teaching and learning in elementary school mathematics and science, focusing on the changing mathematics and science curriculums. Participation in planned elementary school classroom settings is required. Spring.

307. METHODS OF TEACHING CHILDREN WITH SPECIAL NEEDS 3

Prerequisites: EDUC 202, 203, and 2.5 GPA, minimum PRAXIS Scores (Written tests: Reading 172, Writing 171, and Mathematics, 170; Computer-Based: Reading 319, Writing 316, and Mathematics 315). Participants will examine effective methods utilized to teach children with special needs. Emphasis will be placed on meeting the needs of all children in a regular classroom setting including, but not limited to, those diagnosed as ADD, ADHD, dyslexic, and gifted. Spring.

308. CLASSROOM MANAGEMENT FOR ELEMENTARY TEACHERS 3

Prerequisites: EDUC 202, 203, and 2.5 GPA, minimum PRAXIS Scores (Written tests: Reading 172, Writing 171, and Mathematics, 170; Computer-Based: Reading 319, Writing 316, and Mathematics 315). Participants will examine the structure of an elementary classroom in developing organizational and management skills. Community building, cooperative learning, and conflict resolution activities will be emphasized. Fall.

311. TEACHING OF READING IN THE ELEMENTARY SCHOOL 3

Prerequisite: EDUC 210, 2.5 GPA, minimum PRAXIS Scores (Written tests: Reading 172, Writing 171, and Mathematics, 170; Computer-Based: Reading 319, Writing 316, and Mathematics 315). Addresses the total elementary school reading program including classroom organization of small group reading instruction, and the progression of reading development throughout the elementary years. Observation of reading instruction and preparation of reading lesson plans with practical experience in local schools. Spring.

316. TEACHING OF READING PRACTICUM (ELEMENTARY) 3

Prerequisites; EDUC 210, 311, and 2.5 GPA, minimum PRAXIS Scores (Written tests: Reading 172, Writing 171, and Mathematics, 170; Computer-Based: Reading 319, Writing 316, and Mathematics 315). Major emphasis is placed on individual and small group reading instruction; testing and determining reading levels of several children and then preparing appropriate individual lesson plans to be taught in the local schools. Special attention will be given to the disabled reader. Fall.

318. TEACHING OF READING IN THE SECONDARY SCHOOL 3

Prerequisite: 2.5 GPA, minimum PRAXIS Scores (Written tests: Reading 172, Writing 171, and Mathematics, 170; Computer-Based: Reading 319, Writing 316, and Mathematics 315). A course that emphasizes the application of appropriate principles, methods, materials, and guidelines for teaching reading at the secondary level. Special emphasis placed on specific strategies for teaching reading in the content areas. Fall.

340W. METHODS IN SECONDARY EDUCATION 3

Prerequisites: EDUC 201, 202, and 2.5 GPA, minimum PRAXIS Scores (Written tests: Reading 172, Writing 171, and Mathematics, 170; Computer-Based: Reading 319, Writing 316, and Mathematics 315). A study of materials, methods, and problems of teaching and learning in

secondary education. Participation in planned secondary school classrooms is required. An individualized schedule of investigative writings on teaching methods and available technology will be emphasized. Fall.

351. FOUNDATIONS OF NURSERY SCHOOL AND KINDERGARTEN EDUCATION 3
Prerequisite: 2.5 GPA, minimum PRAXIS Scores (Written tests: Reading 172, Writing 171, and Mathematics, 170; Computer-Based: Reading 319, Writing 316, and Mathematics 315). The development of pre-school education; growth and development characteristics of very young children; providing an environment for learning, and organizing and administering programs and services. Fall.

352. METHODS AND CURRICULA OF EARLY CHILDHOOD EDUCATION 3
Prerequisite: EDUC 351, 2.5 GPA, minimum PRAXIS Scores (Written tests: Reading 172, Writing 171, and Mathematics, 170; Computer-Based: Reading 319, Writing 316, and Mathematics 315). The objectives of nursery school and kindergarten education; curricula and methods in language development, communication skills, science, social living, numbers, music, art, dramatic play, and other readiness experiences. Spring.

395,396. SELECTED TOPICS 3,3
A detailed study of an area in education not normally covered in regular education courses. On demand.

430S. ELEMENTARY SCHOOL STUDENT TEACHING 9
Prerequisites: 2.5 GPA, satisfactory completion of all other required coursework for the degree except 471, a minimum of 161 on the PRAXIS Principles of Learning and Teaching Test and have passed the Specialty Area Tests. Corequisite: EDUC 471. Intensive practice teaching in an all-day elementary school setting, for one semester, under the supervision of a master teacher and college faculty. Fall, Spring.

440S. SECONDARY SCHOOL STUDENT TEACHING 9
Prerequisites: 2.5 GPA, satisfactory completion of all other required coursework for the degree except 471, a minimum of 161 on the PRAXIS Principles of Learning and Teaching Test and have passed the Specialty Area Tests. Corequisite: EDUC 471. Intensive practice teaching in an all-day secondary school setting, for one semester, under the supervision of a master teacher and college faculty. Fall, Spring.

453S. PRACTICUM IN KINDERGARTEN EDUCATION 3
Prerequisite: EDUC 352, 2.5 GPA, minimum of 161 on the PRAXIS Principles of Learning and Teaching Tests and have passed the Specialty Area Tests. Supervised observation and teaching internship experiences in programs for kindergarten school children. Fall, Spring.

454S. PRACTICUM IN NURSERY SCHOOL EDUCATION 3
Prerequisite: EDUC 352, 2.5 GPA, minimum of 161 on the PRAXIS Principles of Learning and Teaching Tests and have passed the Specialty Area Tests. Supervised observation and teaching internship experiences in programs for nursery school children. Development of teaching competencies appropriate to instructional activities. Fall, Spring.

471. SENIOR SEMINAR 1
Corequisite: EDUC 430S or EDUC 440S or consent of the instructor. A weekly one hour seminar which reviews major teaching practices and classroom situations. Fall, Spring.

199. MODULE STUDIES 3
Special topics offered during the Module.

Engineering (ENGR)

Professor Juan Rodriguez, *Wortham Chair*
Professor Emeritus: White
Instructor: Head, *Advisor*

The College offers the engineering science courses necessary for the student to pursue the Engineering Dual Degree Program described on page 78 of this catalogue. These courses provide the fundamental scientific principles and the basic engineering skills necessary for a student to pursue a professional degree in engineering. Students under this program are exempted from the senior seminar at Centenary.

103. ENGINEERING ORIENTATION & PROBLEMS **2**
An introduction to the various engineering disciplines, the engineering profession, and engineering ethics. Engineering career guidance. Creative skills and technical communications skills are developed. Fall.

251. ENGINEERING GRAPHICS **3**
Introduction to engineering graphics. Solids. Modeling. Projections. Sectional views. Dimensions. Descriptive geometry. Sketching. Computer Graphics. On demand.

312. INTERMEDIATE MECHANICS: DYNAMICS **3**
Prerequisites: PHYS 104 and MATH 307. A vector treatment of the kinematics and kinetics of particles and rigid bodies. Newton's equations. Euler's equations. Central force motion. Introduction to vibrating systems. Alternate years. (Same as PHYS 312)

321. THERMAL PHYSICS **3**
Prerequisites: PHYS 105 and MATH 303. An introduction to the physics underlying thermodynamic concepts. Topics include the first and second laws of thermodynamics, Helmholtz and Gibbs free energies, chemical potential, grand partition function, and the properties of ideal, Bose, and Fermi gases. Yearly. (Same as PHYS 321)

323. MATHEMATICAL METHODS OF PHYSICS AND ENGINEERING **3**
Prerequisites: PHYS 105 and MATH 303 and 307. An introduction to basic mathematical methods and techniques used in the solution of physical problems with emphasis on applications rather than theory. Topics include solutions of differential equations, vector analysis, Laplace transforms, Fourier series, an introduction to methods of solving partial differential equations. Fall. (Same as MATH 323, PHYS 323)

491-496. INDEPENDENT STUDY IN ENGINEERING **1-6**
Prerequisite: Consent of instructor. Guided independent study of a topic agreed upon by the student and any member of the department. Either a theoretical or an experimental subject may be selected. Written reports or oral presentations may be required when appropriate. Credit may vary from one to six hours per semester.

199. MODULE STUDIES **3**
Special topics offered during the Module.

English (ENGL)

Professor Newtown, *Chair*
Associate Professor: Fell
Instructor: Nunn, Strange
Professor Emeritus: Morgan

Professors: Havird, Hendricks, Labor, Shelburne
Assistant Professor: Alexander, Nicoletti, K. VanHoosier-Carey

The Department of English offers a traditional curriculum with an emphasis on writing and on English and American literature as well as ample opportunities to study the related areas of the English language, communication, and film. The minimum core requirements of the College are supplemented by specific supportive requirements in art, music, and foreign languages to give majors a strong foundation in the humanities and to prepare them for admission to graduate and professional schools in the humanities, business, law, and any other area or occupation where liberal education and language competency are the important requisites.

Major Requirements

English majors will engage in a number of experiences that provide ways of organizing their knowledge of literature within critical, cultural, and historical contexts.

- (9 hours) Introduction to Literary Methodology (methods of approaching literature, all three courses required unless exempted by the department chair)
  - Introduction to Literary Studies (171)
  - Studies in Representative British Authors (241)
  - Studies in Representative American Authors (242)
- (3 hours) Major authors (focus on the literary corpus of one or two significant authors, selected from the following)
  - The World of Jack London (243)
  - Seminar in Major Authors (341)
  - Shakespeare (342)
- (3 hours) Genre studies (kinds of literary production, selected from the following)
  - The Lyric in English (331)
  - Seminar in the Novel (332)
- (6 hours) Period studies (or movements, historically-based, selected from the following; must include at least one course from category A)

  A. Pre - and Early Modern
  - Studies in Medieval and Early Modern Literature (321W)
  - Studies in Restoration and Eighteenth-Century Literature (323W)
  - Studies in American Literature to the Civil War (327)

  B. Modern and Contemporary
  - Studies in American Literature from the Civil War to the Present (328)
  - Studies in Nineteenth- and Twentieth-Century British Literature (326W)
  - Studies in Contemporary Literature (329W)
- (3 hours) Other literary traditions (examinations of materials from outside of the traditional English and American literary canon, selected from the following)
  - Seminar in Women's Literature (351)
  - Seminar in Other Literary Traditions (357S)
  - Any English Department-approved 300- or 400-level course in Foreign Language literature

- (3 hours) Literature and the related arts (examination of relations between literature and other arts, selected from the following)
  - Shakespeare and Film (262)
  - Multimedia Writing and Literature (282)
  - Arts of Representation (361)
  - Literary Sources of Opera (364S)
  - Theory and Criticism of Film (373S)
  - Any English Department approved course in Music or Art
- (4 hours) Senior Seminar (473 and 441 tutorial)
- (9 additional hours) Electives in English

Total hours: 40 hours in approved courses within these distribution requirements, plus 6 hours supportive requirements in intermediate level foreign language. No fewer than 24 hours of major courses must be taken at the 300-level or above.

Departmental Honors

To be considered for Departmental Honors, students must fulfill the general College requirements for honors programs. In addition they must:

1. Apply to the chair of the department during the junior year.
2. Complete a substantial project based on scholarly or creative work in three hours of Independent Study (ENGL 491-496W) during their senior year. (Note: Candidates for departmental honors must earn those three hours in Independent Study in addition to the requirements for the English major.)
3. Present the project in a colloquium of English faculty and students.
4. Pass an oral examination by English faculty on the departmental reading list.

English With An Emphasis On Communication

In addition to the college requirements for a degree and the supporting requirements (through the intermediate level of a foreign language), students must complete 40 hours beyond English 101, including the following (unless exempted by department chair):

1. From English offerings, all of the following:
   - Introduction to Literary Studies (171)
   - Studies in Representative British Authors (241)
   - Studies in Representative American Authors (242)
   - Six hours selected from the "Period" designation (including at least one course from category A)
   - English or Communication Senior Seminar and coordinate Tutorial (473, 441)
2. At least twelve hours selected from the following writing and communication courses:
   - Introduction to Communication Studies (181)
   - Advanced Rhetoric and Composition (212)
   - Communication for Business and the Professions (217)
   - Creative Writing (219)
   - Multimedia Writing and Literature (282)
   - Advertising and Public Relations (314W)
   - The Essay (315)
   - Writing for the Mass Media (316)
   - Screenwriting (319S)
3. 24 hours of the major courses must be taken at the 300-level and above.

Minor Requirements

For a minor in English, students must take at least 21 hours beyond English 101, including the following (unless exempted by department chair):

1. Introduction to Literary Studies (171)
   Studies in Representative British Authors (241)
   Studies in Representative American Authors (242)
2. At least 6 hours at the 300-level and above (excluding Communication courses)

101. RHETORIC I: FIRST YEAR EXPERIENCE 4

As the first semester of Centenary's *First-Year Experience*, English 101 serves concurrently as an introduction to college-level writing and to disciplined intellectual inquiry. Readings from crucial thinkers in the Western tradition give students practice analyzing and producing sophisticated arguments. Students also attend and write critically about a series of coordinated cultural events, including lectures, concerts, debates, theatrical performances, art exhibits, and films. English 101 is the first course in Centenary's First-Year Experience. Every fall.

102. RHETORIC II: INTRODUCTION TO LITERATURE 3

Prerequisite: ENGL 101. An introduction to literary appreciation, analysis, and interpretive techniques, with emphasis upon close reading enhanced by class discussions and expository essays. Every spring.

171. INTRODUCTION TO LITERARY STUDIES 3

Prerequisite: ENGL 101. This course introduces English majors and others to the history and current practices of literary criticism. The course uses a variety of literary texts for testing out and exploring each method. Its positioning as a first-year course and prerequisite for certain upper-level, non-general education English courses allows the latter to build on a body of assumed critical knowledge. Every spring.

172. INTRODUCTION TO VISUAL CULTURE 3

This course introduces issues and debates about how we shape, and are shaped by, different forms of visual culture such as film and video, television, painting, photography, performance art, the built environment, and information technology. Issues such as the role of visual cultures in (re)producing ideas about race, identity, sexuality and gender will also be explored. Every spring. (Same as COMM 172 and ART 172)

180. INTRODUCTION TO DIGITAL COMMUNICATION 3

Prerequisite: ENGL 101 or equivalent (may be taken concurrently). This course introduces students to the rhetorical challenges posed by new digital media forums such as the World Wide Web, email, electronic chat, newsgroups, etc. Students will investigate the relationship of these new rhetorical forums to traditional modes of communication as well as learn effective strategies for conveying ideas and information in them. Strongly recommended for COMM/ENGL 282 and COMM/ART 351. Every fall. (Same as COMM 180)

201. STUDIES IN LITERARY MASTERWORKS: 3

Prerequisite: ENGL 101. Intensive readings of literary masterworks in such generically or topically oriented subjects as the American Short Story, Gothic and Horror Literature, Literature and War, Modern American Poetry, Multicultural Autobiography, and Southern Literature. May be elected for up to six hours credit as topic changes.

212. ADVANCED RHETORIC, GRAMMAR, AND COMPOSITION 3

Prerequisite: ENGL 101. English 212 is an advanced writing class in which students develop their writing through intensive composition, combined with close readings of essays and liter-

ature. The course also examines the impact of current transformations in the rhetorical world due to the rapid proliferation of computer technologies. Spring of alternate years.

217. COMMUNICATION FOR BUSINESS AND THE PROFESSIONS 3

Prerequisite: ENGL 101. Instruction and practice in the various forms of practical communication, such as correspondence and reports, with an emphasis on communicating through electronic technology. Every spring. (Same as BUSN 217 and COMM 217)

219. CREATIVE WRITING 3

Prerequisite: ENGL 101. An advanced course in writing for students interested in producing original pieces of prose fiction and verse. May be elected for up to six hours credit as topic changes.

241.STUDIES IN REPRESENTATIVE BRITISH AUTHORS 3

Prerequisites: ENGL 101 and 171 or permission of department. An introduction to the poetry, fiction, drama, and intellectual prose of representative British authors, Medieval to Modern. Every fall.

242.STUDIES IN REPRESENTATIVE AMERICAN AUTHORS 3

Prerequisites: ENGL 101 and 171 or permission of department. An introduction to the poetry, fiction, drama, and intellectual prose of representative authors in the American tradition. Every spring.

243. THE WORLD OF JACK LONDON 3

Prerequisite: ENGL 101. A study of the legendary career of America's "Greatest World Author," with attention to the historical and cultural as well as the literary significance of his works. Every fall.

262. SHAKESPEARE AND FILM 3

Prerequisite: ENGL 101. This course is the meeting ground of the single most influential English author, Shakespeare, and the most distinctive and pervasive modern artistic form, the film. From its beginnings, film recognized Shakespeare as one of its most reliable and popular sources of material, and Shakespeare remains a potent presence in contemporary film. The course investigates this peculiar dedication to Shakespeare by considering both film versions of Shakespeare's plays ("Shakespeare on Film") and the frequent presence of Shakespearean material in films that have only the most tenuous connection to the actual playwright ("Shakespeare in Film"). Fall of alternate years.

282. MULTIMEDIA WRITING AND LITERATURE 3

Prerequisite: ENGL 101. A survey of multimedia literature in English, from the medieval illuminated manuscription through contemporary hypertext, this course also introduces students to practical electronic media writing and design. Every fall. (Same as COMM 282)

290. INTERDISCIPLINARY STUDIES 3

Prerequisite: ENGL 101. This course is designed to facilitate the treatment of topics across disciplinary boundaries. Topics will vary from year to year. Course, but not individual topics, may be repeated for credit. No more than one 290 course may be used to fulfill a core requirement. Offered on demand.

300 STUDY ABROAD (CREDIT EVALUATED) 3

Centenary approved enrollment in English courses pursued abroad, such as participation in the student exchange program with the Univesity of Aarhus.

314W. ADVERTISING AND PUBLIC RELATIONS 3

Prerequisite: ENGL 101. This course surveys the related fields of advertising and public rela-

tions and examines their role in contemporary society. Topics include history, law, ethics, social dynamics, and economic implications as well as the creative and technical elements of the advertising and public relations campaign. The process of advertising and public relations is studied from the perspectives of art, business, and communication. Every fall. (Same as COMM 314W)

315. THE ESSAY 3

Prerequisite: ENGL 101. A workshop course for writing belletristic or personal essays. Includes an overview of the essay genre as well as readings from representative essay literature. Spring of alternate years. (Same as COMM 315)

316. WRITING FOR THE MASS MEDIA 3

Students study basic techniques and formats used in print and broadcast journalism, along with the similarities and differences in style among them. Grammar, syntax, accuracy, logical construction, and other elements of good writing are emphasized, along with learning to write, under deadline pressure, basic, error-free copy. Additional emphasis on keeping up with current events and trends in the world through improved research skills. Spring of alternate years. (Same as COMM 316)

319S. SCREENWRITING 3

This course is primarily a writing workshop in which students produce several different kinds of scripts for broadcast media—specifically film and video, television, and radio. Student peers as well as the instructor will act as both audience and critics in helping participants become more imaginative and disciplined writers. Goals of the course include polishing the art of good storytelling and learning how stories work within the system of the media as business. Spring of alternate years. (Same as COMM 319S.)

321W. STUDIES IN MEDIEVAL AND EARLY MODERN LITERATURE 3

Prerequisites: ENGL 171 and 241 or permission of department. This course takes as it focus the period from Beowulf to Paradise Lost, particularly the fissures and continuities in this span of almost 1000 years. One special emphasis is the transition from the medieval commitatus to the emergence of a distinctively modern sense of individualism. Readings for the course include a variety of genres, modes, and authors, always representing both the earlier and later parts of the historical period. Fall of alternate years.

323W. STUDIES IN RESTORATION AND EIGHTEENTH-CENTURY LITERATURE 3

Prerequisites: ENGL 171 and 241 or permission of department. This seminar introduces students to the wide variety of British literature from the Restoration into the early years of Romanticism and the French Revolution, as well as to means of exploring and further studying this material. Spring of alternate years.

326W. STUDIES IN NINETEENTH- AND TWENTIETH-CENTURY BRITISH LITERATURE 3

Prerequisite: ENGL 171 and 241 or permission of department. A topical consideration of representative works of Romantic and post-Romantic poetry, fiction, drama, and intellectual prose. Topics may include Faith and Doubt, Love and Marriage, Versions of Pastoral, Matters of Empire. The seminar may also explore a theme within a single genre (Novels of Repression and Release) or examine the transition from one literary movement to another (Decadence to Modernism). Spring of alternate years.

327. STUDIES IN AMERICAN LITERATURE TO THE CIVIL WAR 3

Prerequisite: ENGL 102 or 171 or permission of department. An intensive as well as extensive survey of significant cultural and literary forces in American literature from pre-colonial times to 1860. Fall of alternate years.

328. STUDIES IN AMERICAN LITERATURE FROM THE CIVIL WAR TO THE PRESENT 3

Prerequisite: ENGL 102 or 171 or permission of department. An intensive as well as extensive survey of significant American cultural and literary forces through the late nineteenth century up to the present. Spring of alternate years.

329W. STUDIES IN CONTEMPORARY LITERATURE 3

Prerequisite: ENGL 171, ENGL 241 or 242, or permission of department. Intensive reading in contemporary writers (since 1950). Emphasis is on significant literary figures and movements. Works studied may vary from year to year. Fall of alternate years.

331.THE LYRIC IN ENGLISH 3

Prerequisite: ENGL 171, 241, and 242 or permission of department. An intensive study of the short poem, including theoretical statements on the genre by such poets as Sidney, Jonson, Wordsworth, Emerson, Arnold, and Ransom. Spring of alternate years.

332. SEMINAR IN THE NOVEL 3

Prerequisite: ENGL 171, 241, and 242 or permission of department. A study of the novel with particular attention to historical and artistic influences. May emphasize either British or American traditions. May be elected for up to six hours credit as topic changes. Every spring.

341. SEMINAR IN MAJOR AUTHORS 3

Prerequisite: ENGL 101. An intensive study of authors whose work has significantly affected the traditions of literature written in English. A class might focus on one author – for instance, Chaucer, Milton, Austen, or Faulkner – or might examined several authors whose works are historically linked or mutually illuminating – for example, Johnson and Boswell, Woolf and the Bloomsbury Group, or Rossetti and the Pre-Raphaelites. On demand.

342. SHAKESPEARE 3

Prerequisite: ENGL 101. A study of the poems and plays of Shakespeare and their place in English Renaissance and in contemporary culture, organized by chronology or topic. The focus of the course is the Shakespearean text and its 400-year history, though considerable attention is devoted to techniques of reading that recuperate performance. Spring of alternate years.

351. SEMINAR IN WOMEN'S LITERATURE 3

Prerequisite: ENGL 101. An intensive study of literature written by women. On demand.

357S. SEMINAR IN OTHER LITERARY TRADITIONS 3

Prerequisite: ENGL 101. Intensive readings of literature produced outside of Britain and America. May include such generically or topically oriented subjects as the African Short Story, the Post-Colonial Novel, The Diaspora in Literature, Images of Apocalypse, Caribbean poetry. Spring of alternate years.

361. THE ARTS OF REPRESENTATION 3

Prerequisite: ENGL 101. An interdisciplinary course focussing on theories of representation in various arts and cultures from the Renaissance to the present. The course examines the invention of perspective, the development of cartographic projection, the introduction of double-entry accounting, the emergence of the city as a semiotic system, as well as theatrical representation and portraiture. Spring of alternate years.

364S. LITERARY SOURCES OF OPERA 3

Prerequisite: ENGL 101. An investigation of important (largely European) literary works and the operatic masterworks and composers they have inspired. The course focuses on under-

standing the contexts of relations between operas and literature and examining ways in which a literary work is transformed into a musical production. Spring of alternate years.

368. HISTORY OF FILM TO 1939 **3**

Prerequisite: ENGL 101. A chronological survey of the cinema from its beginnings in the 1890s to the development of Classical Hollywood Cinema to 1939. Special attention is paid to major directors (Griffith, Eisenstein, Renoir), influential national cinemas (American, Russian, French, and German), and to dominant styles and genres (silent comedy, expressionism, Hollywood gangster and Western films). Fall of alternate years.

369. HISTORY OF FILM FROM 1939 TO THE PRESENT **3**

Prerequisite: ENGL 101. A chronological survey of film from 1939 to the present. Special attention is paid to the breakdown of the classical Hollywood model, the reaction of film makers to the challenge of television, and the rise of independent filmmaking. Spring of alternate years.

373S. THEORY AND CRITICISM OF FILM **3**

Prerequisite: ENGL 101. This course is concerned primarily with the aesthetics of film and the ways in which these theories are applied to practical criticism. Among those approaches to be studied will be feminist, semiotic, and historical methods of analysis. Fall of alternate years.

382. RADIO BROADCASTING **3**

This course is a workshop in radio production, broadcasting, and station management. Students work in all areas of Centenary's radio station: program-planning, broadcasting, writing, and management. They complete assigned projects for their instructor and submit projects to the KSCL manager for possible implementation at the station. The manager accepts, rejects, or revises the proposals with the project author.

Students also study a text on broadcasting and the radio industry, listen to lectures from the instructor and local radio professionals, take exams, write scripts, and design and broadcast at least one 1/2 hour show on KSCL. Fall of alternate years.

383. CYBERCULTURE **3**

Prerequisite: CSC 106, COMM/ENGL 282 or permission of instructor. This course explores the intersections of contemporary critical theory, new digital technologies, and literature. By examining computer-mediated cultures and major topics through these lenses, students develop sophisticated, scholarly and critical analyses of this rapidly-developing world. Spring of alternate years. (Same as COMM 383)

395, 396. SELECTED TOPICS **3**

Prerequisite: Consent of the instructor. Specialized studies in areas of language and literature not normally covered in regular English courses. Offered each semester.

399. SEMINAR IN FILM STUDIES **3**

Prerequisite: ENGL 101. An analysis of the cinema as both aesthetic form and social document, usually with an emphasis on American and European film. Recent topics have included: "Masculinity and Femininity in Film" and "Film and Literature." Spring of alternate years.

400E. ENGLISH INTERNSHIP **3**

Supervised internship with an approved employer in an appropriate professional area, such as editing, publishing, and public relations. Students are required to submit a term paper or project of equivalent value to the program director at the end of the internship. May be repeated for credit in another area. Offered each semester.

441, 442.TUTORIAL IN LITERATURE **1,1**

Directed reading on a subject to be agreed upon by the student and faculty-tutor. May require

presentation of pertinent materials in undergraduate courses under the direct supervision of an English Department faculty member. Offered each semester.

444W. SEMINAR IN AMERICAN LITERATURE **3**

Prerequisite: ENGL 327 or 328 or permission of instructor. Intensive reading in major writers who represent significant trends in the development of American literature. Considerable work in bibliography and research, with presentation of individual papers. Fall of alternate years.

473.SENIOR SEMINAR IN ENGLISH **3**

A capstone course investigating topics in literary and communication theory, in which theoretical insights relate to practical experiences within the course. Specific course-related duties may include participating in a mentoring internship in the First Year Experience (English 101), staffing the Centenary Writing Laboratory, and constructing a web-based portfolio. Requires concurrent enrollment in ENGL 441. Every fall.

478S. LITERARY AND CULTURAL THEORY FROM PLATO TO THE PRESENT **3**

Prerequisite: ENGL 171 or consent of instructor. An overview of literary and cultural theory from ancient Greece to the contemporary world of multimedia narrative and design. Heavy emphasis is placed on theory and criticism emanating from the "theory explosion" of the past few decades, especially ideological, psychoanalytic, and gender analyses of texts. Fall of alternate years.

491-496W. INDEPENDENT STUDY **1-6**

Prerequisites: Junior standing and permission of the instructor. Research and writing or creative work in an area of mutual interest to the student and faculty member. three hours required for honors (see Departmental Honors above). Offered each semester.

199. MODULE STUDIES **3**

Special topics offered during the Module.

Environmental Sciences (ENSC)

Advisors: Professors E. Leuck and Blakeney *Associate Professor:* Bieler

Centenary offers an interdisciplinary degree in environmental sciences. The degree is designed to give interested students the background to assume an entry level position in the environmental industry or to allow the student to continue with post-graduate study in either environmental sciences or the discipline in which the student elected a track. The degree can be supported through internships with local companies and environmental organizations or with summer employment and research opportunities with local companies or through the Oak Ridge Affiliated Schools programs.

Requirements For A B.S. In Environmental Sciences

Environmental Sciences Core (29-31 hours): All students must take CHEM 121/123, 122/124, 301/311; four (4) courses selected from BIOL 101, 202, 303 or 340, 305, 307, (Ecology), GEOL 101 or 103, 311, 342, 416, 442; and ENSC 473. Both Biology and Geology must be represented in the program.

Students in the Chemistry track must also take CHEM 201/211, 202/212, 351-352, and 353-354. (additional 16 hours) Appropriate selection of courses from the core above meets American Chemical Society standards in Environmental Chemistry.

Students in the Geology track must have completed GEOL 101, 242, 311, 312, 342,

either 355 or 403, 416, and 442. (additional 16 hours)

Students in the Biology track must have completed BIOL 101, 202, 303 or 340, 305 or 307, 308, 412. (additional 16 hours)

Supportive Requirements: MATH 115, MATH 201 or an approved Statistics course, and two semesters of Physics. Students in the environmental sciences should consider completing general education requirements by taking policy or social issues related courses. Additional electives in such areas, such as offerings listed under Environmental Topics, will be encouraged.

All students in Environmental Sciences are encouraged to have a field experience either through a module offering or another type of off-campus study.

391-394. SELECTED TOPICS **1-4**

An in-depth study of environmental topics not covered in existing college courses. Environmental courses taken at an approved field station are especially likely to be considered in this category. A current topics is Coastal Oceans, taught through LUMCON (Louisiana Universities Marine Consortium).

473. SENIOR SEMINAR IN ENVIRONMENTAL SCIENCES **3**

Prerequisite: Consent of instructor. An examination of case studies of environmental analysis and remediation. Cases involving several disciplines will be emphasized. Students will be responsible for about half of the class presentations. The final report will include a strategy for investigation and analysis of an area in the Ark-La-Tex.

Environmental Studies Minor (ENST)

Associate Professor Mary Barrett, *Advisor*

An environmental studies minor is offered to students with majors in the sciences and non-sciences. The minor focuses the learning process around the knowledge and skills required to address the multidisciplinary nature of environmental issues. Course work varies somewhat depending on the student's major (science or non-science) to better compliment their educational program.

Minor Requirements For Science Majors

A total of 19 hours are required for science majors to complete the environmental studies minor. No more than 4 hours from the student's major course requirements may be counted towards the minor.

1. Required: GEOG 102: Physical Geography
   GEOL 103: Environmental Geology
   ENST 302: Environmental Topics
   One statistics course (MATH 305; ECON 303: PSY 303)
2. Electives: (6 hours required)
   BUSN 380: Social Responsibility of Business
   BIOL 303: Ecology
   or BIOL 340: General Ecology
   GEOL 442: Hydrology
   CHEM 301/311: Analytical Chemistry
   or CHEM 201/211: Organic Chemistry
   ENST 491-493: Independent Study

Minor Requirements For Non-Science Majors

The environmental studies minor requires a total of 20 hours.

1. Required: GEOL 103: Environmental Geology
   ENST 302: Environmental Topics
   One statistics course (MATH 305; ECON 303: PSY 303)
   CHEM 121/123: General Chemistry
   or CHEM 105/115: Chemistry and Society
2. Elective: (6 hours required)
   BUSN 380: Social Responsibility of Business
   BIOL 101: Principles and Methods of Biology
   GEOG 102: Physical Geography
   ENST 491-493: Independent Study

302. ENVIRONMENTAL TOPICS **3**

Prerequisites: Six hours of environmental studies required course work, or permission of adviser. A detailed study of environmental subject matter not normally covered in other work. Topics will stress the interdisciplinary nature of environmental issues and policy-making, covering such topics as environmental regulation, law, and politics.

491-493. INDEPENDENT STUDY **1-3**

Prerequisites: Permission of program adviser and submission of acceptable proposal. Guided independent study or experience related to ongoing environmental issues. Written report or oral presentation will be required where appropriate.

First-Year Experience (FYE)

Director, Steve Shelburne, *Centenary Professor of Liberal Arts*

Centenary's First-Year Experience is an introduction to the liberal arts, those skills and habits of mind that characterize a free person. Liberal education promotes intellectual versatility, meaning the ability to approach complex problems from a variety of perspectives. First-Year Experience courses, in particular, are designed to highlight a range of approaches to key issues and problems, both historical and contemporary.

The FYE program integrates in-class work with a coordinated series of cultural events that reinforce insights and approaches developed in class, or that identify additional perspectives, or that introduce students to people who have made important contributions to the public discussion of ideas. Whenever possible, we arrange for guest speakers to spend time with students in informal settings as well as in large, public venues.

Each year the FYE program publishes a booklet describing its forthcoming events. This publication is available from the Admissions Office or the FYE Director.

FYE 101. THE QUEST FOR KNOWLEDGE **4**

As the first semester course in Centenary's FYE program, English 101 serves concurrently as an introduction to college-level writing and to disciplined intellectual inquiry. Readings from crucial thinkers in the Western tradition give students practice in analyzing and producing sophisticated arguments. Students also attend and write critically about a series of coordinated cultural events, including lectures, concerts, debates, theatrical performances, art exhibits, and films. Each fall. (Same as ENGL 101)

FYE 102. COMMUNITIES AND CONFLICTS 4

The second semester of the FYE continues to focus on key texts and coordinated cultural events but places additional emphasis on research and documentation. Students read first-person accounts and modern commentaries on events that have shaped our understanding of the tension between unity and diversity in modern civilization. In recognition of the thoroughly interdisciplinary nature of this course, the teaching faculty is drawn from across Centenary's many academic departments. Each spring.

Gender Studies Minor (GEN)

Assistant Professor: K. VanHoosier-Carey, *Advisor*
Assistant Professor: Wolkomir, *Advisor*

Minor Requirements

Eighteen hours of coursework as follows:

1. Required Courses (six hours):
   - SOC 202 Sociology
   - SOC 354 Sex & Gender in Society
2. Electives (at least twelve hours) chosen from the following courses:
   - PSC 208 Intro to Law
   - HIST 334 Readings in European Women's History
   - ECON 324 Labor Economics
   - ENGL 351 Seminar in Women's Literature
   - PHIL 202 Ethics
   - PSC 356 The Politics of Constitutional Rights and Liberties
   - BIOL 403W Animal Behavior
   - REL 415 Women and Religion

Up to 6 hours of coursework in any department may be added from outside this elective list, subject to the approval of a Gender Studies advisor. Such additions might include internships, modules or special topics courses whose subject matter includes a strong focus on gender issues. Courses may also be approved in cases where a student is completing a significant project on gender issues within a course that is not on the elective list. Additionally, a student may include up to 3 hours of independent study in any department, subject to the approval of a Gender Studies advisor, for research and work on some aspect of gender studies.

General Education (GED)

151. SERVICE-LEARNING **0**

Participation in a community service project that is connected to a learning component. The project must be pre-approved by the Centenary Plan Committee. Check with the Director of Service-Learning. A minimum of 30-clock hours of approved service-learning is required to receive credit for the program.

201. LIBRARY READINGS **1**

Prerequisites: Permission of librarian/tutor. Student-initiated, non-disciplinary. Student will propose to a professional librarian a list of books they "need to read" that reflects their interests and program. Student will meet with tutor weekly to discuss the readings. The student will write a critical summary essay about the books and the benefits of the course. May be repeated once for credit (pass/fail). On demand.

251. CAREER EXPLORATION **0**

Participation in eight hours of meetings designed to explore various career opportunities consistent with the student's interests and aptitude or participation in an alternate approved by the Centenary Plan Committee.

291, 292. TOPICS IN CREATIVE ARTS AND LETTERS **1-4**

An introduction to a topic in the humanities that is not featured in the regular curricula of individual departments. Prerequisite: Permission of instructor.

300. STUDY ABROAD (CREDIT EVALUATED) **0**

Centenary-approved enrollment in courses pursued abroad. Credit will be assigned on an individual basis to the appropriate department based on an evaluation of the student's completed course work.

351. INTERCULTURAL EXPERIENCE **0**

An introduction to another culture. Corequisite of a college-approved course or program designed to satisfy the intercultural requirement.

400. GENERAL EDUCATION INTERNSHIP **1-3**

Applied experience in a discipline when the student's area of interest is not covered by an existing departmental course. Students must sign the Centenary College Internship Agreement provided by the Career Center. Participants must have a supervising faculty member with knowledge in the area of the internship. An outline or syllabus of work to be done during the internship must be submitted to the Course Review and Petitions Committee for its approval. This syllabus should contain the signature of the faculty supervisor, who must grade all work produced by the student.

451. COLLEGE INTERNSHIPS **1-3**

Designed to enhance the student's theoretical and practical knowledge through first-hand experience. For students not eligible to participate in departmental internships. Requirements for departmental internships should be standardized so that each hour of academic credit requires forty clock hours of service in the internship.

473. SENIOR SEMINAR **3**

Liberal Arts majors and Interdisciplinary majors may elect to take a senior seminar in one of the major departments they have specified in their program. For Liberal Arts majors and Interdisciplinary majors who do not choose to participate in a departmental senior seminar, an interdis-

ciplinary study may be developed, in consultation with the Centenary Professor of Liberal Arts, to meet individual needs and interests of students. The student will specify choice of option for senior seminar when submitting a degree plan, in consultation with a faculty committee representing the student's major departments. On demand.

Geology and Geography

Associate Professor Bieler, *Chair*
Associate Professor: Barrett
Professor: Vetter
Professor Emeritus: Shaw

Introductory courses offered by the Geology Department are designed to broaden the student's knowledge and understanding about the earth and to develop an appreciation for our environment. The materials that make up the earth and the processes that control their genesis and deformation form the basis of the first course in geology. In the other courses, these modern processes are used as models for understanding the history of the earth and various environmental issues.

At the advanced level, the department offers areas of study for both the prospective professional and the individual interested in geology but not intending to make it a career. The student interested in geology as a career should obtain the B.S. degree in geology. This course of study provides the fundamentals of earth science and supporting sciences necessary for successful graduate study or for employment as an entry level geologist. Students who wish to terminate their education at the bachelor's level may find employment with an oil or mining company, an environmental firm, or a government agency. Qualified students are directed toward further study in a graduate program. It should be noted that the master's degree is usually obtained by those people who desire to be professional geologists and that a strong background in supporting sciences is increasingly desirable. The B.A. degree in geology is designed for students desiring a firm foundation in geology and liberal arts. The major is excellent preparation for someone who is interested in the business aspects of the petroleum industry or environmental management and is good preparation for some specialties in law.

Major Requirements For The B.S. Degree

In addition to the courses meeting the requirements of the college, a candidate for the B.S. degree with a major in Geology must take:

1. Thirty-eight semester hours in Geology including 101, 202/212, 310, 311, 312, 355, 403, 473.
2. Supportive courses as follows:
   a. CHEM 121/123 and 122/124
   b. MATH 115 and 201
   c. PHYS 104/114 and either PHYS 105/115 or 4 hours of Biology.

Major Requirements For The B.A. Degree

In addition to the courses meeting the requirements of the college, a candidate for the B.A. degree with a major in Geology must take:

1. Thirty-two semester hours in Geology including 101, 202/212, 310, 311, 312, 355, 403, 473.
2. Supportive courses as follows:
   a. CHEM 121/123

b. Three courses selected from:
MATH (above the 107 level)
Computer Science (above the 101 level)
Astronomy, Biology, Chemistry, and Physics with appropriate laboratories (not including CHEM 105/115 or PHYS 103/113
An approved course in statistics
Geography

Students completing the B.A. degree in Geology are strongly encouraged to complete a minor in another discipline or to complete certification for secondary education.

Departmental Honors In Geology

Candidates for departmental honors must apply to the department chairman by the beginning of the second semester of the junior year. Honors candidates must complete GEOL 497 in addition to the above listed requirements; the results of the research will also be presented before a colloquium of Geology faculty and students.

Minor Requirements:

Students electing to minor in geology must take twenty (20) hours in geology including GEOL 101 and 103. At least six (6) hours must be at the 300-level or higher. One field-oriented module (GEOL 199) may be counted toward the minor. The program for the minor must be approved by an adviser in the department. Education majors considering this option should consult state certification requirements in the Education section.

Geography (GEOG)

102. PHYSICAL GEOGRAPHY 4

A study of the physical environment at and near the earth's surface including the atmosphere, oceans, and landforms. The course emphasizes the relationships between processes and spatial distributions. Laboratory work includes practical studies climatic data and weather maps, topographic maps and landforms, and an introduction to biogeographic data. (3-3). Yearly.

201. WORLD GEOGRAPHY 3

An overview of the various nations of the world and their economic and cultural attributes.

205. CULTURAL GEOGRAPHY 3

A study of the cultural diversity of man as a function of geographical distribution.

301. COMPUTER ANALYSIS OF GEOGRAPHIC DATA 3

The course will begin with an overview of the use of a word processor, spreadsheet and database. Data files created in these applications will be mapped using desktop mapping software to solve geographic problems.

Geology (GEOL)

GEOL 101 or 103 are prerequisites for all other geology courses. Admission to advanced geology classes is allowed after successful completion of these prerequisites or upon permission of the instructor.

101. PHYSICAL GEOLOGY 4

A study of the materials that make up the earth and the physical processess that are produce the earth's characteristic physical features. Laboratory work includes practical studies of min-

erals, rocks, and the interpretation of geologic phenomena from maps and other data. (3-3). Offered every semester.

103. ENVIRONMENTAL GEOLOGY 4

A study of the physical earth processes which are closely associated with or modified by humans. The major earth systems studied are the lithosphere, soils, water and energy. The associated laboratory examines specific issues through activities including data analysis and mapping, field observations and problem-solving. (3,3) Every semester.

202. HISTORICAL GEOLOGY (LAB REQUIRED) 3

Recommended: GEOL 101. The study of the history of the earth's crust, including an introduction to the history of life as shown by the fossil record. Alternate years.

212. HISTORICAL GEOLOGY LABORATORY 1

Concurrent registration in GEOL 202 required. Practical studies of sedimentary rocks and their depositional environments, fossils, and the use of geologic maps to interpret the geologic history of North America. Alternate years.

304. INVESTIGATIONS IN EARTH SCIENCE 3

A study of the earth from several viewpoints: as a planet in an astronomical context; as a single, dynamic planetary body; and as the physical environment with which life interacts. Emphasis will be on developing content appropriate for those teaching in elementary grade levels. Open for credit only to elementary education majors. Spring.

310. OPTICAL MINERALOGY 1

Concurrent with GEOL 311 required. Students will learn how to use the petrographic microscope for observing physical and chemical properties of common rock forming mineral in thin section. Understanding textural characteristics and their significance will also be taught.

311. MINERALOGY 4

A study of the common minerals of the earth's crust, their physical properties and identification, and the environments in which they form. Laboratory work focuses on determinative mineralogy, optical properties of minerals, and the use of the petrographic microscope. (3-3)

312. PETROLOGY 4

Prerequisite: GEOL 311. A study of the character, occurrence, and genesis of igneous and metamorphic rocks. Laboratory work focuses on hand specimen and thin section description. (3-3)

325. INTRODUCTION TO PALEONTOLOGY 4

Prerequisite: GEOL 202/212 or BIOL 101 or 104. The study of ancient organisms and their preservation as fossils. Laboratory work emphasizes the important groups of invertebrate fossils.

342. GEOMORPHOLOGY 3

A study of the processes that act at and near the surface of the earth and the landforms they create. Topics include soil development, climate changes and landscape evolution.

355S. STRUCTURAL GEOLOGY 4

The description and occurrence of geologic structures. The laboratory emphasizes structural geometries and subsurface projections. (3-3)

390. FIELD GEOLOGY 6

Prerequisites: GEOL 101, 202, 206, 352, 355, or approval of instructor. A six-week course in field methods, geologic mapping, and preparation of geologic reports. The work will include

preparation of topographic and geologic maps, cross-sections, columnar sections, and structural studies in an area encompassing igneous, sedimentary, and metamorphic rocks. Planetable and aerial-photo techniques will be used in map preparation. Summers only. Recommended for all geology majors seeking a B.S. degree.

395,396. SELECTED TOPICS **3,3**
Designed for those topics not normally offered in the curriculum.

GEOL 403W: SEDIMENTARY ENVIRONMENTS AND FACIES. **4**
Prerequisite: GEOL 312. A study of the rock record of depositional environments stressing comparative sedimentology, facies patterns, and sedimentary basin infill. (3-3)

406. INTRODUCTION TO GEOPHYSICS **3**
Prerequisite: MATH 115, PHYS 104. A study of the physical properties of the earth as a body, the physical properties of earth materials, and the uses of geophysical techniques to understand both the shallow subsurface and the deep interior of the earth. Offered on demand. (Same as PHYS 406)

416. GEOCHEMISTRY **3**
Prerequisites: GEOL 311, CHEM 122, or permission of the instructor. Introduction to the chemistry of the earth. Topics include origin and distribution of the elements, concepts of trace element geochemistry, application of thermodynamics to mineral stability problems.

421. GEOLOGY OF NATURAL RESOURCES **3**
A study of the classification, characteristics, distribution, and genesis of ore minerals and fossil fuels.

442. HYDROLOGY **3**
Prerequisites: MATH 115, PHYS 104. The occurrence and movement of water at and near the earth's surface. Topics include hydrologic budgets, subsurface flow, and an introduction to modeling ground water movement.

463. RESEARCH IN EARTH SCIENCE **3**
Prerequisites: Consent of department. Faculty-guided investigation of an original problem in earth science either individually or as part of a research team. The goal is to increase the student's knowledge of the nature of the scientific method. Research will result in a paper addressing the content, methods, and results. Written and oral reports are required. Fall.

473. SENIOR SEMINAR **3**
The plate tectonic and stratigraphic development of North America. The vehicle of instruction will be recent journal articles, class discussions, and presentations by members of the class.

491-496. INDEPENDENT STUDY **1-6**
Prerequisite: Consent of instructor. In-depth studies of those aspects of geology not normally covered in existing courses. Offered on demand. 493-496 will satisfy college requirements for a "W" course.

497. SENIOR HONORS PROJECT **3**
Independent research and preparation of a paper addressing the context, methods, and results of the research. Research for this project will generally have been initiated during registration in GEOL 493.

199. MODULE STUDIES **3**
Special topics offered during the Module.

Health and Exercise Science

Professor LeFevers, *Chair*
Instructor: Tinsley
Professor: Bedard
Professor Emeritus: Farrar

The Department of Health and Exercise Science offers an opportunity for all students to participate and acquire skills and knowledge in a variety of sports and activities, including individual and team sports, such as bowling, aerobic exercise, weight lifting, badminton, and tennis. The department prepares its Health and Physical Education majors for teaching in elementary and secondary schools and athletic coaching. The department prepares its Health and Exercise Science majors for careers in wellness and fitness centers. The department also prepares its majors for admission to graduate school in various Health and Exercise Science fields and allied health programs.

Major Requirements For The B.S. In Health And Physical Education (Teacher Certification)

1. Thirty-five hours in Exercise Science including EXSC 223, 239, 241, 242, 301-302, 324, 325, 326, 330, and 345.
2. Seventeen hours in Health including HLTH 101, 221, 303, 354, 355, and 357.
3. All majors wishing to certify as teachers must meet the state certification requirements for Education (see Education).

Major Requirements For The B.S. In Health And Exercise Science

1. Thirty-seven hours in Exercise Science including EXSC 201 (Aerobics), 201 (Weight Training), 223, 241 or 242, 301-302, 324, 325, 326, 330 or PSY/SOC 303/313, 335S, 400 (Internship, 3 hours), and 473.
2. Eleven hours in Health including HLTH 101, 221, 355W, and 357.
3. Supportive requirements are fifteen hours including Biology (4 hours), Chemistry (4 hours), and Psychology 211.

Departmental Honors In Health And Exercise Science

For a student to be considered for admission to the Honors Program in Health and Exercise Science, he or she must meet the general college requirements for admissions to such programs. In addition to the general requirements, a student in the Health and Exercise Science Honors Program must undertake a year-long independent research project under the direction of a Centenary faculty member and be enrolled in EXSC/HLTH 491-496 (Independent Study) while working on the project. The results of the research must be presented orally at the Centenary College Student Research Forum or at a similar professional forum and in written form acceptable for publication.

Minor Requirements

1. Exercise Science Minor:
   Twenty-two hours in Health and Exercise Science including EXSC 223, 301-302, 324, 325, 335S, and HLTH 221.
2. Health Minor:
   Twenty-two hours in Health and Exercise Science including HLTH 101, 201, 221, 355W, 357, and EXSC 301-302.

Exercise Science (EXSC)

101,102. VARSITY ATHLETICS **1,1**
Activity course for individuals engaged in varsity athletics and cheerleading.

103. FITNESS AND WELLNESS **3**
This course encourages students to take control of their personal health and lifestyle habits by a personal fitness program. Attention is given to the topics of cardiovascular endurance, muscular strenght and endurance, body composition, flexibility, nutrition, and weight control.

121-122. BALLET (BEGINNING) **1-1**
Introduction to the fundamentals of classical ballet and vocabulary. (Same as DANC 121-122)

123-124. TAP (BEGINNING) **1-1**
Basic tap technique and vocabulary. (Same as DANC 123-124)

125-126. JAZZ (BEGINNING) **1-1**
Introduction to basic modern jazz technique and vocabulary with emphasis on body placement and exercises to increase the flexibility of the body. (Same as DANC 125-126)

127-128. MODERN DANCE (BEGINNING) **1-1**
Introduction to basic modern dance technique, terminology, and philosophy. (Same as DANC 127-128)

201. LIFE-TIME SPORTS **1-1**
Aerobic Conditioning, Badminton, Bowling, Golf, Outdoor Adventure Activities, Racquetball, Self-defense, Softball, Swimming, Tennis, Volleyball, and Weight Training.

210. BASIC ATHLETIC TRAINING **3**
The course is designed to provide the student with the knowledge of prevention, care, and rehabilitation of common athletic injuries. The student will receive athletic training information and the skills necessary to care for the common athletic injuries. Yearly.

223. HISTORY AND PRINCIPLES OF SPORT, PHYSICAL EDUCATION, AND FITNESS **3**
An introductory course designed to acquaint students with the biological, psychological, and sociological foundations of physical education, and to provide historical reference sufficient for intelligent interpretation and evaluation of current practices in the field. Yearly.

239. MATERIALS AND METHODS OF P.E. FOR THE ELEMENTARY GRADES **3**
Prerequisite: PSY 211 or equivalent. A study of factors influencing effective organization and instruction of physical education in the modern elementary school with emphasis upon movement education. Yearly.

241. SKILLS AND TECHNIQUES OF TEACHING INDIVIDUAL SPORTS **3**
A course designed to develop knowledge, teaching techniques, and skills in individual sports and appropriate to the physical education teacher.

242. SKILLS AND TECHNIQUES OF TEACHING TEAM SPORTS **3**
A course designed to develop knowledge, teaching techniques, and skills in team sports and appropriate to the physical education teacher.

243-244. TAP (INTERMEDIATE) **2-2**
Permission of instructor required. Concentration of riffs, pull-backs, wings, turns, and other specific advanced movements. (Same as DANC 243-244)

245-246. JAZZ (INTERMEDIATE) 2-2
Permission of instructor required. In-depth exploration of basic jazz movements with emphasis on rhythmic patterns, dynamics, space, and levels. (Same as DANC 245-246.)

247-248. MODERN DANCE (INTERMEDIATE) 2-2
Prerequisite: DANC 127 and 128 or permission of instructor. Concentration on technical proficiency with emphasis on individual creativity. (Same as DANC 247-248)

261-262. BALLET (INTERMEDIATE) 2-2
Permission of instructor required. Designed to increase the student's knowledge of ballet by extending his vocabulary of classical movement with emphasis on the importance of precision and proficiency. (Same as DANC 261-262)

301-302. HUMAN ANATOMY AND PHYSIOLOGY I AND II 4,4
A systematic survey of the structure and function of the healthy human body.

320. PSYCHOLOGY OF SPORT AND EXERCISE 3
This course is an introduction to the theories and principles explaining factors influencing human behavior in sport. Specifically, students will explore three major areas: social psychology, psychological interventions, and psycho-physiology. On demand.

324. KINESIOLOGY 3
Prerequisites: EXSC 301-302. A study of the factors influencing bodily movement. Consideration is given to the mechanical and physiological actions of joints and muscles. Yearly.

325. PHYSIOLOGY OF EXERCISE 3
Prerequisites: EXSC 301-302. A study of the physiological effects of physical activity on the body systems. Emphasis is placed on the physiological response of the muscular, cardiovascular, and respiratory systems to physical exercise. Yearly.

326. MOTOR LEARNING 3
A presentation of the basic learning principles which underlie motor skill performances associated with physical activity and sports and an examination of the variables affecting skill learning. On demand.

330. TESTS AND MEASUREMENTS 3
Prerequisite: EXSC 103. A study of tests designed to measure health, physical fitness, strength, motor ability, game skills and the use of the results of the tests. Yearly.

331. SWIMMING AND LIFESAVING TECHNIQUES 2
A course designed to develop basic skills in swimming as well as the ability to aid others in distress in water. Senior Lifesaving Certificate of the American National Red Cross may be obtained. On demand.

335S. WELLNESS AND HUMAN PERFORMANCE IN THE PRIVATE SECTOR 3
Prerequisite: EXSC 325. A study of the application of theory and skills necessary for successful implementation of wellness and fitness programs. Emphasis will be on assessment and research techniques. Yearly.

345S. METHODS AND MATERIALS OF TEACHING HEALTH AND PHYSICAL EDUCATION IN THE SECONDARY SCHOOLS 3
Prerequisite: EXSC 223, PSY 211 or equivalent and a score of 319, 316, and 315, on the PRAXIS reading, writing, and math, text respectively. This course will take the place of EDUC 340, Secondary Methods. Curriculum planning based upon grade characteristics and educational

philosophy. Emphasis will be placed on teaching-learning strategies, selection and design of materials, and analysis. Yearly.

347. TECHNIQUES OF COACHING FOOTBALL **3**

A study of the basic offensive and defensive formations and patterns, their strengths and weaknesses. Instruction in fundamentals, program organization, and administration are included.

348. TECHNIQUES OF COACHING BASEBALL **3**

A study of the fundamentals of baseball and game strategies.

359. PHYSICAL EDUCATION FOR SPECIAL POPULATIONS **3**

A course designed to prepare the physical educator to select and conduct physical education activities for children with physical and/or mental handicaps. Attention will be given to adapting activities and remedial techniques. On demand.

361-362. BALLET (ADVANCED) **2-2**

Permission of instructor required. Concentration on the performance aspects of ballet. Pointe work for women. Adagio and partner work for men. (Same as DANC 361-362)

363-364. TAP (ADVANCED) **2-2**

Permission of instructor required. Exploration of various styles of tap such as soft shoe, ballet-tap and buck-and-wing with concentration on performance aspects and choreographic uses. (Same as DANC 363-364)

365-366. JAZZ (ADVANCED) **2-2**

Permission of instructor required. Exploration of various styles of jazz dance such as lyrical, rock and musical comedy varieties with concentration on performance aspects and choreographic uses. (Same as DANC 365-366)

367-368. MODERN DANCE (ADVANCED) **2-2**

Prerequisite: DANC 247-248 or permission of instructor. Exploration of various styles of modern technique with concentration on performance and choreography (Same as DANC 367-368)

395,396. SELECTED TOPICS **3,3**

A detailed study of an area of physical education not normally covered in regular physical education courses. On demand.

400. INTERNSHIP IN EXERCISE SCIENCE **1-6**

Prerequisite: Health and Exercise Science major. This course will provide the opportunity for the student to work in a practical situation and gain knowledge by first-hand experience in various areas of fitness and wellness. Yearly.

425. ADVANCED ATHLETIC TRAINING **3**

This course is designed to advance the knowledge and understanding of athletic training. By understanding the competencies and guidelines set forth by the National Athletic Trainer Association (N.A.T.A.). The student will receive one-on-one attention in research questions dealing with athletic training. The student will also design two projects during the course of the semester which could be incorporated in the athletic training field.

473. SEMINAR IN HEALTH AND EXERCISE SCIENCE **3**

Senior Seminar. Prerequisite: Senior Health and Exercise Science major — permission of instructor. An advanced study in Health and Exercise Science with particular emphasis on a review of the parameters of Human Performance and Wellness. Members of the class will be expected to complete a review of literature in pertinent areas. On demand. (Same as APSC 473)

491-496. INDEPENDENT STUDY **1-6**

Prerequisite: Permission of department. A course of directed study and independent work under the supervision of a member of the department. In certain cases credit may be given for supervised work in community and college activities in the field of physical education. On demand.

199. MODULE STUDIES **3**

Special topics offered during the Module.

Health (HLTH)

101. PERSONAL AND COMMUNITY HEALTH **3**

Prerequisite: EXSC 103. An introduction to factors influencing and determining personal and community health with emphasis upon major health problems of adults and environmental health problems. Alternate years.

201. ENVIRONMENTAL HEALTH **4**

A study of the relationship of people to their environment, how the environment affects physical well-being, and how to improve the quality of the environment to enhance the proection of health. Emphasis is on environmental factors involved in transmission of diseases and hazards due to exposure to chemical and physical materials in the environment. Major topics include exposure to toxic substances in the community and at work; health hazards associated with water, air, hazardous waste, and radiation. Yearly.

221. FIRST AID AND PERSONAL SAFETY **2**

Designed to develop competence in rendering immediate and temporary aid to a victim of accident, sudden illness, or athletic injury. Theoretical and practical approach. Covers both standard and advanced courses of the American National Red Cross, with certificates granted for satisfactory work. Meets three hours each week. Yearly.

303. HUMAN SEXUALITY **3**

Prerequisites: HLTH 101. This course is designed to introduce current concepts and issues in human sexuality. In addition to increasing knowledge about sexuality, opportunities are provided for reflecting and evaluating personal values and attitudes about sexuality, which is an important aspect of sexual development and teaching sexuality education.

354. SCHOOL HEALTH **3**

Prerequisite: HLTH 221. A study of major health problems of elementary school children including health screening methods, materials, and modern health resources. Yearly.

355W. DRUG EDUCATION **3**

A study of the sources, effects, and abuse of legal and frequently abused drugs, and the community and personal factors associated with this abuse. Yearly. (Not taught as a "W" class in the summer.)

357. NUTRITION **3**

A study of health services, products, and nutrition with emphasis upon methods and materials pertinent to health education. Yearly.

371. MEDICAL TERMINOLOGY **2**

Prerequisites: BIOL 101, 102, EXSC 301, concurrent enrollment with EXSC 302. Introduction to the vocabulary of today's health sciences. This course is designed primarily for students interested in graduate programs in physical therapy, occupational therapy, physician assistance, speech language pathology and audiology. Evaluation in this course will involve both written and oral examinations.

400. INTERNSHIP IN HEALTH **1-6**
Prerequisite: Health and Exercise Science major. This course will provide the opportunity for the student to work in a practical situation and gain knowledge by first-hand experience in various areas of fitness and wellness. Yearly.

History And Political Science

Professor Grunes, *Chair*
Professors Emeriti: Hancock, Rainey
Professors: Shepherd
Assistant Professor: van Raemdonck

The courses offered by the Department of History and Political Science are designed to make an essential contribution to a liberal education by providing the general student with a comprehensive and integrated knowledge of man's history; to provide the training necessary for more advanced study in history and political science; and to provide the practical knowledge of historical and political developments which is an essential part of the preparation of those students expecting to enter the professions of law, government service, politics, education, and business.

For those interested in teaching history, political science, or social studies at the secondary level, see description of B.A. in social studies education, p. 118.

History (HIST)

Major Requirements

1. A candidate for the B.A. in History must complete thirty (30) semester hours in history, including 102, 103, 205, 206, and 473.
2. Of these thirty semester hours, fifteen (15) must be in courses numbered 300 and above.
3. Supportive courses required are nine (9) semester hours in political science; majors are also expected to complete the intermediate level of a foreign language approved by the department.

Departmental Honors

To be admitted to the Departmental Honors Program, a student must meet the general college requirements for honors programs. An honors student will follow a course of study consisting of a minimum of six semester hours of independent study in addition to the Seminar in History or the Seminar in Political Science (depending on major). An honors student will complete a written and/or an oral presentation to demonstrate mastery of the discipline of history or the discipline of political science.

Minor Requirements

For a minor in History, students must complete 18 hours of History courses which must meet the following requirements:

1. At least 9 hours of course work in HIST 102, 103, 205, 206.
2. At least 6 hours of courses numbered 300 or above.
3. At least 6 hours of U.S. history courses and at least 6 hours of other history courses.

101. WORLD HISTORY 1400-1900 **3**
This course provides an introductory survey of world history from the age of Columbus to the twentieth century. It will focus on developments in the civilizations of Europe, Asia, Africa, Latin

America, and the Islamic world, with particular attention to the interaction between nations and cultures through trade, cultural exchange, conquest, and colonization. It will use case studies from different regions and time periods to explore the role of family, the constitution of power, social networks and hierarchies, the importance of religion, the tolerance of racial and ethnic diversity, and the roles of science, commerce, and education in each of these societies.

102. WESTERN HERITAGE 1300-1815 **3**

This course begins with the late medieval transition to the Reformation era. It then concentrates on the sixteenth and seventeenth centuries, which witnessed the division of the unified Western church into numerous denominations, wars of religion, rise of centralized monarchies, early expressions of religious toleration, and the age of reason. Europe's colonial and commercial expansion in this era led to global conflict, development of capitalism, and the early phase of the industrial revolution. The course then views how the French Revolution brought down absolute monarchy and replaced it with Napoleon's "enlightened despotism." The course ends with a survey of Napoleon's expansion and defeat. Offered in the fall.

103. WESTERN HERITAGE SINCE 1789 **3**

The course begins with a survey of the era of the French Revolution and Napoleonic wars and moves to the Vienna settlement, which gave Europe a "generation of peace." The nineteenth century was the period during which western nations industrialized, competed for empire, and struggled internally with a rising middle class and then a rising working class. Western culture was shaken by interpretations of life and society inspired by the work of Karl Marx and Charles Darwin. In the last quarter of the century, Germany was becoming the powerful and aggressive nation which would disrupt the twentieth century. World War I, the Bolshevik revolution in Russia, western economic collapse, World War II, the introduction of nuclear power, the multiplication of communist governments, and superpower arms race are important themes of the twentieth century. Offered in the spring.

205. HISTORY OF THE U.S. TO 1877 **3**

A survey of the major developments in the history of the United States from colonial times to 1877. Yearly.

206. HISTORY OF THE U.S. FROM 1877 **3**

A survey of the major developments in the history of the United States from 1877 to present. Yearly.

207. HISTORY OF LOUISIANA **3**

A survey of the history under France, Spain, and the United States. Alternate years.

301. ANCIENT AND MEDIEVAL EUROPE **3**

The course begins with a brief survey of ancient Near Eastern cultures, kingdoms, and empires, including the Hebrews. It then turns to ancient Greece, especially Athens and Sparta to view the evolution of those city-states. After a survey of the expansion of Rome from agricultural villages to the master of the Mediterranean world, the course concentrates on developments in western Europe in the wake of Roman collapse there. The course views some key medieval movements and institutions, such as manorialism, feudalism, monasticism, the papacy, urbanization, and universities. The course ends with a survey of the Italian Renaissance and the transition from medieval to early modern Europe.

307,308W. HISTORY OF ENGLAND AND GREAT BRITAIN **3,3**

A general survey of the history of England and the British Empire to the present time. Alternate years.

312. TWENTIETH-CENTURY UNITED STATES 3
The social, economic, and political development of the United States in its role as major world power in the twentieth century. Spring of alternate years.

321,322W. AMERICAN SOCIAL AND INTELLECTUAL HISTORY 3,3
The evolution of American social institutions and cultural life from the colonial period to the present. The course will focus on the development of various types of American communities and will emphasize changes in American families, religious, and ethnic groups, business and educational organizations, and social structure. Alternate years.

325. HISTORY OF THE ANTE-BELLUM SOUTH 3
An examination of the South from colonial days through the Civil War with emphasis on the institution of slavery, agriculture, society, and the development of sectionalism. Fall of alternate years.

326S. HISTORY OF THE MODERN SOUTH 3
A study of the South from Reconstruction to the present, with emphasis on politics, economics, culture, and race relations. Spring of alternate years.

331. POPULAR CULTURE IN EARLY MODERN EUROPE 3
Prerequisite: HIST 102 or consent of instructor. A study of the culture and lifestyle of peasants, artisans, and laborers during the period between the invention of the printing press and the Industrial Revolution. The course will focus on historical methodology, evaluating how historians can find sources to understand the lives of people who left very little evidence about themselves. The course uses case studies based on sources such as Inquisition trials, police and court records, folklore, sermons, pamphlets, iconography, festivals, and civic ritual to approach the beliefs, values, and loyalties of ordinary people.

333. TWENTIETH-CENTURY EUROPE 3
Prerequisite: HIST 103 or consent of the instructor. A study of the principal developments of the past century of European history. Themes include the Russian Revolution, the two world wars, the Cold War, the development of modernism and postmodernism, and Europe's relationship with the rest of the world.

334W. READINGS IN EUROPEAN WOMEN'S HISTORY 3
Prerequisite: HIST 102, 103, or consent of the instructor. This course will focus on the principal theories and approaches since the 1970s that have shaped the study of women in history, with a focus on how these contributions apply to European history from medieval to modern times. It will question whether the experiences of women in history were fundamentally different from those of men, and explore the ways in which traditional political, economic, and social histories include, enhance, distort, or neglect the lives of women.

341S. LATIN AMERICA 3
A survey from colonial time to the present, with special attention given to developments in the twentieth century.

347W. HISTORY OF RELIGION IN AMERICA 3
This course will examine various religious ideas, groups, beliefs, and institutions froom pre-Columbian America to the present, will explore their impact on society, and will consider the ways in which they have changed.

395,396. SELECTED TOPICS 3,3
Prerequisite: Consent of the instructor. A detailed study of areas of history not normally covered in regular history courses. Offered on demand.

400. INTERNSHIP **1-3**

Prerequisite: Junior standing and approval of departmental faculty. This course will consist of supervised internship with an approved employer and might include such professional projects as engaging in research and writing, creating historical bibliographies, and providing achival of museum services. Offered on demand.

473. SEMINAR IN HISTORY **3**

Prerequisite: Consent of the instructor. The study of historical and political issues and problems in a selected period of history. Members of the class will do extensive reading and research on various aspects of the period selected and will use the research methods best suited to the particular project. On demand.

491-496. INDEPENDENT STUDY **1-6**

Students taking History Honors will earn credit with Honors in this course through concentrated study of selected topics. Other students with particular historical interests which cannot be satisfied in regularly listed courses may register for directed study in areas such as Progressivism, Modern India, Society in the 1920's, American Foreign Policy, the Industrial Revolution in England, and others, subject to faculty approval. May be repeated for credit with different topics. Permission of the department is required. Yearly.

199. MODULE STUDIES **3**

Special topics offered during the Module.

Political Science (PSC)

Major Requirements

A candidate for the B.A. in Political Science must complete:

1. Thirty-three hours in the major, including 102, 111, 208, 258, twelve semester hours at the 300 level or above, and 473. Of the twelve semester hours at the 300 level or above at least three hours must be in the fields of American Government or Public Law, and three hours in Comparative Politics or International Politics.
2. Supportive courses required are nine (9) hours of history; majors are also expected to complete the intermediate level in a foreign language approved by the department.

A student may be admitted to the Department's Honors Program if he or she has attained junior standing and meets the other requirements. For details see above.

Minor Requirements

For a minor in Political Science, a student:

1. Must complete twenty-one semester hours in the minor including 102, 111, 201, or 208, and six semester hours at the 300 level or above.

PSC 201 or 111 is recommended for all courses numbered 300 and above in the areas of Comparative Government and Politics and International Politics; PSC 102 or 103 is recommended for all courses numbered 300 or above in the areas of American Government and Politics and Public Law and Political Theory.

102. AMERICAN POLITICS **3**

An introductory course in American national politics. Attention given to the nature of politics-, democratic theory; constitutional foundations; federalism; public opinion; pressure groups; political parties; elections; the media; and the roles of Congress, president, bureaucracy, and federal judiciary in the policy-making process..

103. CONTEMPORARY ISSUES IN PUBLIC POLICY 3

An analysis of selected national issues in public policy; their origin, development, and impact. Emphasis on the policy-making process. Topics may include energy, environmental protection, agriculture, criminal justice, taxing and spending, education, health, welfare, and foreign policy. Yearly.

111. GLOBAL POLITICS 3

An introduction to the political, economic, and security issues that have influenced the development of the international system since 1945. Yearly.

201. WESTERN EUROPEAN POLITICS 3

A comparative introduction to the major political systems of Western Europe. Yearly.

208. INTRODUCTION TO LAW 3

An interdiscciplinary examination of the nature and functions of law; feminist and critical race perspectives; the process of legal development; law enforcement; the roles of lawyers and juries; criminal and civil justice; court procedures; conflict resolution, and law in cyberspace. Special attention given to the techniques of legal research and the use of legal data bases.

258. POLITICAL ANALYSIS 3

Prerequisite: PSC 102, 111 or 201. An examination of the major theoretical approaches used in the study of political behavior. Yearly.

300. WASHINGTON SEMESTER PROGRAM

See page 193 for description.

303. STATISTICS FOR BEHAVIORAL SCIENCE 3

Prerequisite: MATH 105 or higher. The logic and application of standard statistical tests in the analysis of data. Topics include descriptive statistics, statistical inference, correlation, T-test, and simple analysis of variance. Yearly. (Same as PSY 303 and SOC 303.)

306S. THIRD WORLD POLITICS 3

Prerequisite: PSC 111, 201, or consent of instructor. An examination of the process of political change and economic development through the use of case studies from Latin America, Africa and Asia. Alternate years.

307W. POLITICAL THEORY 3

A study of classic political thought and its use in modern political analysis. Offered on demand.

310. U.S. FOREIGN POLICY 3

A survey of U.S. Foreign policy since 1945 emphasizing the influence of domestic factors on the country's foreign policy. Alternate years.

311. INTERNATIONAL CONFLICT AND CONCILIATION 3

Prerequisite: PSC 111 or consent of instructor. An examination of the delicate balance between peace and war and between conflict and cooperation. Covered are patterns and trends in international conflict, causes of war, terrorism, nonviolent conflict, and approaches to conflict resolution and prevention. Includes simulations of crisis management and conciliation.

313. STATISTICS FOR BEHAVIORAL SCIENCE LAB 1

Prerequisite: CSC 101, PSY 206 or computer proficiency. Corequisite: PSC 303. This course provides the student training and practice with computer applications in statistics. Coursework will involve descriptive and inferential data analyses used in typical behavioral research settings. (Same as PSY 313)

316. POLITICAL PARTIES AND ELECTIONS 3
Structure and function of party systems, nominations, and campaigns; voting behavior of the electorate. Offered on demand.

319W. RUSSIAN & EASTERN EUROPEAN POLITICS 3
Prerequisite: PSC 111, 201 or consent of instructor. A comparative analysis of the political systems of Russia and Eastern Europe. Alternate years.

324. INTERNATIONAL LAW AND ORGANIZATIONS 3
Prerequisites: PSC 111 or consent of instructor. An introduction to the basic principles of public international law in such areas as the rules of war, the law of the seas, and human rights; and a survey of the related functions of the United Nations. Alternate years.

335W. PRESIDENCY, CONGRESS, AND PUBLIC POLICY 3
An examination of the presidency in the American political system, the relationship of the president and Congress, and the interactions between the president and legislature in making public policy. Alternate years.

336W. JUDICIAL PROCESS AND BEHAVIOR 3
The organization, jurisdiction, and functions of the U.S. federal court system. Special emphasis given to: the roles of the judiciary; the decision-making process; and the impact of judicial decisions. Alternate years.

355S. CONSTITUTIONAL LAW AND AMERICAN POLITICS 3
American constitutional principles are examined through an analysis of Supreme Court decisions. The focus will be on judicial decision-making in the areas of judicial review, the separation of powers, federalism, and the economic system. Alternate years.

356. THE POLITICS OF CONSTITUTIONAL RIGHTS AND LIBERTIES 3
The issues of American civil liberties and civil rights are examined within the framework of decisions of the Supreme Court. Attention given to the legal process as an instrument of social change in the areas of racial equality, women and the law, religious liberty, and freedom of expression. Alternate years.

365. RELIGION AND POLITICS 3
Religion, churches, and the American political system. The separation of church and state and the development of religious freedom in America. Special emphasis given to the influence of religion on political tolerance, public policy, and social change. Alternate years. (Same as REL 365)

395,396. SELECTED TOPICS 3
Prerequisite: Consent of the instructor. A detailed study of an area of political science not normally covered in the regular political science courses. Offered on demand.

400. INTERNSHIP IN POLITICAL SCIENCE 1-3
Designed to provide an opportunity for the student to expand his theoretical knowledge and practical application of administrative principles by first-hand experience in various public agencies. May be repeated once for credit. Offered on demand.

473. SEMINAR IN POLITICAL SCIENCE 3
Prerequisite: Political science major or consent of department. The undertaking of an individual research project in which the student demonstrates their mastery of the discipline. Yearly.

491-496. INDEPENDENT STUDY 1-6
Students taking Political Science Honors are required to earn credit for honors in the course through concentrated study of selected topics. Other students with particular interests outside

the regular course offerings of the department may register for directed study with permission of the department. May be repeated for credit with different topics. Yearly.

199. MODULE STUDIES **3**

Special topics offered during the Module.

Information Technology Studies Minor (ITS)

Assistant Professor: Schlatter, *Advisor* *Assistant Professor:* Alexander, *Advisor*

Minor Requirements

Eighteen hours of course work as follows:

1. Required Courses
   - CSC 106, Introduction to Information Technology
   - COMM/ENGL 282, Multimedia Writing and Literature
   - A one to three hour internship in either CSC 400 or in the student's major. The internship and independent study must include significant work in topics concerning information technology. As per approval of ITS advisor. (7-9 credits)
2. Electives: Nine or more hours from the following courses significantly focusing on information technology, at least two of which must be 300- or 400-level:
   - CSC 104, Programming I or CSC 204, Programming II
   - PSY/SOC/PSC 303/313, Statistics for Behavioral Science or ECON 303/313, Statistics.
   - SOC 316, Technology and Society
   - GEOG 301, Computer Analysis of Geographic Data
   - A three hour independent study in either CSC 493 or an independent study in student's major. The independent study must include significant work in both presentation and topic concerns information technology and be approved by an ITS advisor.
3. Additionally, the ITS program strongly suggests the following:
   - A report on work in a public forum, such as the spring undergraduate research forum. This should coordinate with work in the student's major, through the independent study.
   - Taking the TeK.XaM certification. This test provides objective credentials to successful students, demonstrating their skills in database usage, Web research and site design, presentation software, and general computer proficiency.

Mathematics (MATH)

Professor Thomas, *Chair* *Professor:* McKinney
Assistant Professors: Schlatter, Brandl *Lecturer:* Head
Professors Emeriti: Carleton, Speairs

The Department of Mathematics aims to contribute to the student's liberal education by showing the role mathematics has played and is playing in the development of civilization and by giving him or her the opportunity to appreciate mathematics for its own esthetic qualities.

It aims particularly to give fundamental training to students in the natural sciences and engineering and also to those in the social and behavioral sciences. The mathematics curriculum is so planned that a student majoring in the field may choose any one of a number of avenues to follow after graduation, including the teaching profession, industry, computer mathematics, actuarial work, or a combination of mathematics with other scientific training, as well as graduate work in mathematics. A description of the minor in Computer Science follows the course listings below.

High school mathematics through trigonometry is the recommended background for incoming freshmen although the admission requirement is less.

Major Requirements

B.S.

To receive a B.S. degree a student must complete the following requirements:

1. A total of thirty-six (36) semester hours of mathematics in courses numbered 200 or higher, including MATH 201, MATH 203, MATH 204, MATH 303, MATH 306, MATH 403 or MATH 407, MATH 404 or 405, MATH 462, and MATH 472.
2. CSC 104.
   Supportive Courses: PHYS 104, 114, 105, 115.

B.A.

To receive a B.A. degree a student must complete the following requirements:

1. A total of thirty (30) semester hours of mathematics in courses numbered 201 or higher, including MATH 201, MATH 203, MATH 204, MATH 303, MATH 306, MATH 462, and MATH 472.
2. Of these thirty hours, seven (7) hours must be in courses numbered 401 or higher.
3. CSC 104.
   Supportive courses: PHYS 104, 114, 105, 115.

Minor Requirements

A minor in mathematics consists of the following courses: MATH 115, MATH 201, MATH 203, MATH 303, and an additional 6 hours of mathematics with three of those hours being at the 300 level and the other three at the 400 level.

Students may be admitted to the Honors Program of the Mathematics Department if they have attained junior standing and meet the other requirements. For details consult the department chairman.

007. ELEMENTARY FUNCTIONS PROBLEM SESSION 3

Corequisite: MATH 107. A problem session, which covers the homework as well as the technology used in MATH 107.

102. MATHEMATICS AND THE VISUAL ARTS 3

A study of the mathematical aspects of the visual arts organized around the concept of dimension. Topics of study will include pointillism, parametric curves, analytical geometry, fractal curves and dimension, tiling and symmetry, the mathematics of perspective, polyhedra, and artistic representations of the fourth dimension.

103. ALGEBRA FOR TEACHERS 3

(Open for credit only to elementary education majors or students certifying in secondary education.) Topics from number theory, geometry, algebra, and the history of mathematics. Alternate years.

104. COLLEGE ALGEBRA 3

Algebraic Techniques, equations, system of equations and inequalities. Sequences, progressions and the Binomial Theorem. Annually.

105. INTRODUCTION TO FINITE MATHEMATICS 3

Statement logic. Elementary theory of sets. Counting problems and probability theory. Vectors and matrices. Applications. Alternate spring.

106. GEOMETRY FOR TEACHERS 3

A study of geometry to include: proofs and congruent triangles; parallel lines; ratio and similarity; right triangles and the Pythagoren Theorem; circles; and solids. (Open for credit only to elementary education majors or students certifying in secondary education.) Offered alternate years.

107. ELEMENTARY FUNCTIONS 3

Corequisite: MATH 007. A unified study of elementary functions. Algebraic, exponential, logarithmic, and trigonometric functions and their applications. Offered each semester.

109. CALCULUS FOR BUSINESS AND ECONOMICS 3

Prerequisite: MATH 107. (Students will not be allowed credit for both MATH 115 and MATH 109; further MATH 109 will not satisfy the prerequisite requirement for MATH 201.) An introduction to differential calculus; and application to business and economics. Offered each semester.

115. ANALYTIC GEOMETRY AND CALCULUS I 4

Functions: straight lines, exponential, logarithmic and trigonometric. Derivatives and their applications. Introduction to definite integrals. Offered each semester. (3-2)

201. ANALYTIC GEOMETRY AND CALCULUS II 4

Prerequisite: MATH 115. Integrals, definite and indefinite. Applications of the integral. Sequences and infinite series. Introduction to differential equations. Offered each spring. (3-2)

203. LINEAR ALGEBRA 3

Prerequisite: MATH 201. Systems of linear equations, vector spaces, linear dependence, bases, dimensions, linear mappings, matrices, determinants, applications. Offered each spring.

204. TRANSITION TO ADVANCED CONCEPTS 3

Prerequisite or corequisite: MATH 201. An examination of the introductory concepts which pervade most upper level mathematics courses with an emphasis on proving techniques. Topics include logic and proving, sets, functions, cardinality and the properties of integers. Offered each fall.

303. MULTIVARIABLE CALCULUS 4

Prerequisite: MATH 201. Three-dimensional analytic geometry. Calculus of several variables. Multiple integration. Line and surface integrals. Every fall. (3-2)

304. FOUNDATIONS OF GEOMETRY 3

Prerequisite: Consent of the department. Advanced Euclidean geometry with emphasis on transformation theory. Topics from ordered geometry, affine geometry, absolute geometry, non-Euclidean geometry, and non-dimensional geometry. Every third year.

305. MATHEMATICAL STATISTICS 3

Prerequisite: MATH 303. Probability, sample spaces. Mathematical models, testing hypotheses. Empirical and theoretical frequency functions. Correlation and regression. Testing goodness of fit. Offered each spring.

306. MODERN ALGEBRA 3
Prerequisites: MATH 203 and 204. Basic properties of groups, rings, fields. Offered each fall.

307. DIFFERENTIAL EQUATIONS 3
Prerequisite: MATH 303. Formulation of first and second order differential equations and interpretation of their solutions by qualitative, numerical, and analytical techniques, as well as their applications. Laplace transforms. Offered each spring.

310. DISCRETE MATHEMATICS 3
Prerequisite: MATH 204. Sets, algebra of propositions. Proofs. Algorithms. Graphs and digraphs. Boolean algebra. Every third year.

311. MATHEMATICAL MODELS 3
Prerequisite: MATH 303. Model Constructions and applications to the Social and Natural Sciences. Growth processes. Dimensional Analysis, linear optimization, stability, chains, networks. Every third year.

323. MATHEMATICAL METHODS OF PHYSICS AND ENGINEERING 3
Prerequisite: PHYS 105 and MATH 303 and 307. An introduction to basic mathematical methods and techniques used in the solution of physical problems with emphasis on applications rather than theory. Topics include solutions of differential equations, vector analysis, Laplace transforms, Fourier series, an introduction to methods of solving partial differential equations. (Same as PHYS 323 and ENGR 323)

395,396. SELECTED TOPICS 3,3
Prerequisite: Consent of the instructor. A study of an area of mathematics not normally covered in the regular mathematics courses. Offered on demand.

398. COLLOQUIUM, OAK RIDGE SEMESTER 1
Prerequisites: Junior standing and admission by ACS Selection Committee. A program of speakers on a variety of scientific and social issues presented by staff at Oak Ridge National Laboratory under supervision of resident ACS faculty. (Same as CHEM 398/PHYS 398)

399. RESEARCH, OAK RIDGE SEMESTER 1-6
Prerequisites: Junior standing and admission to the program by the ACS Selection Committee. Research performed through participation in the ACS-Oak Ridge Semester Program under supervision of senior staff at Oak Ridge National Laboratory. (Same as CHEM 399/PHYS 399)

400. INTERNSHIP IN MATHEMATICS 1-3
(For mathematics majors only—not included in the required nine courses for the major.) Credit is given for on-the-job training in certain vocational areas of mathematics.

403. TOPOLOGY 3
Prerequisite: MATH 204. A survey of fundamental properties of topological spaces with particular emphasis on the real number system. Connectedness, compactness, continuous mapping, homeomorphism, metric spaces. Alternate spring.

404. VECTOR ANALYSIS 3
Prerequisite: MATH 303. A basic course in vectors. Topics included vector and scalar products, vector equations, and vector calculus. Applications from differential geometry and physics. Curvature, torsion, and Gaussian curvature. Alternate fall.

405. NUMERICAL ANALYSIS 3
Prerequisites: MATH 204, MATH 303, and CSC 104. Selected numerical methods dealing with the solution of algebraic and transcendental equations, finite differences and interpolation,

integration, and differential equations. Alternate years.

407. INTRODUCTORY REAL VARIABLE THEORY I **3**

Prerequisite: MATH 204. Real and complex systems, sets, metric spaces, continuity, and differentiation. Alternate spring.

408. INTRODUCTORY REAL VARIABLE THEORY II **3**

Prerequisite: MATH 407. Riemann-Stieltjes integral, sequences, and series of numbers and functions. On demand.

462S. SEMINAR IN MATHEMATICAL INVESTIGATION **3**

Prerequisite: Senior level standing as a mathematics major. An introduction to mathematical research, oriented about a field chosen by the instructor. Students will conduct group investigations into the field and give presentations throughout the semester.

472. SENIOR SEMINAR **2**

Senior standing. Each student will be responsible for at least three presentations. Each presentation topic will be chosen in consultation with the course instructor and may be in a current area of mathematics or a topic found in one of Centenary's junior/senior level courses. A study sheet of background information will be included with each presentation topic and each presentation will include oral questioning on the material covered in the study sheet. The presentations will be made before the mathematics department faculty and interested students. Spring.

491-496. INDEPENDENT STUDY IN MATHEMATICS **1-6**

(Open to advanced students in mathematics with departmental approval.) One hour conference per week. Library and research work pertinent to the area of study selected. A written thesis is required.

199. MODULE STUDIES **3**

Special topics offered during the Module.

Computer Science Minor (CSC)

The minor in computer science is offered for students with majors in mathematics, business, economics, government, and other fields who are choosing to enter the computer field. The inclusion in the minor of an internship should provide students with valuable work experience prior to graduation.

The Department of Mathematics also offers the courses necessary for the student to proceed successfully in the "Three-two" Program in Mathematics/Computer Science, described elsewhere in this catalogue.

Requirements For A Minor In Computer Science

A minor in computer science consists of the following courses: CSC 104, CSC 204, CSC 234, CSC 244, CSC 320, and 3 hours at the 300 level or higher.

101. INTRODUCTION TO COMPUTERS **3**

An introduction to computer fundamentals with an orientation toward microcomputers in a network system. Computer Operations. Introduction to word processing, spreadsheets, and data base management. Every semester.

104. PROGRAMMING I **3**

An introduction to computer organization and programming using the well-structured professional programming language C++. Development of algorithms and top-down programming, stressing principles of good programming. Data objects (standard, array, and record), pro-

cedures, and control structures will also be covered. The lab will both reinforce class concepts and help students discover new relationships, as well as aid in the development of programming techniques. Fall. (2-3)

106. INTRODUCTION TO INFORMATION TECHNOLOGY **3**

Prerequisite: Satisfaction of the Computer Proficiency requirement. An introduction to information technology with an emphasis on the creation of digital information, its movement over networks, and the legal, academic, and ethical questions surrounding such information. Offered every spring.

204. PROGRAMMING II **3**

Prerequisite: CSC 104. Advanced topics in C++ including the data objects: files, queues, stacks, linked lists, recursion and binary trees. Abstract data types. Sorting techniques and simple analysis of efficiency. Laboratory programming assignments using C++ will consist of developing data abstractions, the testing of abstractions, and analytic techniques for the evaluation of efficiency. Programming exercises will be done in Object Pascal, Ada, or C++. Spring. (2-3)

234. DATA STRUCTURES **3**

Prerequisite: CSC 204. The study of different structures for storing and processing data. These structures include stacks, queues, linked lists and trees. Also studied are techniques for sorting and searching. Alternate years in the fall.

244. COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE **3**

Prerequisite: CSC 104. Introduction to the inner structure of the computer, machine language instruction sequence, and both machine and assembly language programming. Alternate years in the fall.

320. PRINCIPLES OF PROGRAMMING LANGUAGES **3**

Prerequisite: CSC 204. An introduction to the formal study of programming language specification and analysis. Language forms and features. It includes programming assignments in the various language paradigms. Alternate years in spring.

344. OPERATING SYSTEMS AND NETWORKING **3**

Prerequisites: CSC 234, CSC 244. An introduction to operating systems, multiprogramming systems and networking. Real and virtual storage management, processor management, process synchronization and communication, and I/O and file management. Alternate years in Spring.

354. COMPUTER ARCHITECTURE **3**

Prerequisite: CSC 234 and CSC 244. Principles of computer design and organization at the digital-logic, register-transfer, and conventional machine levels. Use of integrated circuits, principles of sequential processors, memory organization, and organization of I/O subsystems and interfacing. On demand.

395,396. SELECTED TOPICS **3**

A study of an area of computer science not normally covered in the regular computer science courses. On demand.

400. INTERNSHIP IN COMPUTER SCIENCE **1-3**

Prerequisite: CSC 123 or 124. Credit is given for on-the-job training in certain vocational areas of computer science. On demand.

496. INDEPENDENT STUDIES IN COMPUTER SCIENCE **1-6**

(Open to advanced students in Computer Science with departmental approval). One hour conference per week. Library and research work pertinent to the area of study selected. A presentation of the work is required. On demand.

Military Science

Professor Chandler, *Chair* Professor Blakeney, *Campus Advisor*

The senior ROTC program, in cooperation with Northwestern State University and located on the campus of LSU-Shreveport, is voluntary. Successful completion of ROTC will qualify students for commission as officers in the Army, the U.S. Army Reserve or the Army National Guard upon graduation. Students may minor but not major in Military Science.

Four-Year Program

The four-year program is divided into two parts: (1) Basic Course, first two years and (2) Advanced Course, including summer camp, last two years.

The Basic Course consists of classroom instruction for a minimum of a one hour and a one-hour laboratory per week. No commitment is incurred by students who enroll in the Basic Course.

The Advanced Course consists of instruction for a minimum of four hours per week for two academic years and attendance at a five week summer camp, normally between the junior and senior academic year. Advanced Course students are required to do physical training for an additional three hours per week as part of the laboratory. Also, Advanced Course students must take at least one course from each of the following academic areas: Written Communications Skills; Military History, Computer Literacy; Mathematics; and Human Behavior (Social Science or Psychology). Specific requirements are available from the Campus Advisor.

Two-Year Program

The two-year program allows qualified sophomores and juniors to enter the Advanced Course program in one of three ways:

1. Completion of the Basic ROTC Summer Camp in the summer before their junior year
2. Honorably discharged prior military service students, who were eligible to reenlist and who will be under the age of 30 on the date of commissioning / graduation
3. Current members of the Army Reserve or Army National Guard who enroll in the Simultaneous Membership Program (SMP)

Enrollment

To be eligible for enrollment in the Basic Course, a student must:

1. Be accepted by Centenary as a full-time enrolled student
2. Be at least 17 years of age at the time of enrollment

To be eligible for enrollment in the Advanced Course, a student must, in addition to the above requirements:

1. Be a citizen of the United States
2. Be physically qualified under standards prescribed by the Department of the Army
3. Be enrolled as a full-time student at Centenary
4. Apply for admission into the Advanced Course
5. Be accepted by the Professor of Military Science (PMS)
6. Be at least 17 years of age but not older than 27 at the time of enrollment and plan to graduate before the age of 30. Age waivers to age 34 are possible for exceptional students
7. Have a cumulative grade point average (GPA) of at least 2.0

8. Have completed the ROTC Basic Course or equivalent as listed under the two-year program.

9. Be classified as an academic junior by Centenary College of Louisiana.

Scholarship Program

Two, three and four year Army ROTC scholarships as well as civic scholarships provide financial assistance for qualified and selected students who exhibit strong motivation toward careers as officers in the United States Army. An Army ROTC scholarship will pay all tuition expenses, $225 per semester for books, mandatory laboratory expenses (except Aviation fees) and provides a stipend of $200 per month during enrollment.

To apply for a ROTC scholarship, the student must:

1. Display a strong desire for a career as an officer in the Regular Army
2. Be a citizen of the United States
3. Have a minimum cumulative GPA of 2.5 and ACT score of 19 or higher (or SAT score of 930 or higher)
4. Be at least 17 years old by October of the year in which the application is made
5. Agree to accept a commission if offered
6. Agree to serve at least four years on active duty

Commissions

Upon completion of the Advanced Course and graduation from Centenary, a student my be commissioned as a Second Lieutenant to serve on active duty or be offered a commission in the U.S. Army Reserve or National Guard. Commissions in the Army Reserve or National Guard can be guaranteed to individuals who express this preference. A delay to enter into active duty may be granted students who desire to pursue full-time courses of instruction leading toward advanced degrees. Commissions incur an eight-year service commitment. Non-scholarship students can serve on active duty or serve in the National Guard or Reserves in an active or inactive status or any combination thereof totaling eight years. Scholarship students are expected to serve on active duty for four years with a three or four-year scholarship or three years with a two-year scholarship.

Uniforms, Texts And Equipment

The government lends all uniforms, texts and equipment required at each level of the program. These items must be returned upon leaving the ROTC program or upon commissioning.

Allowances

Advanced Course students and ROTC scholarship recipients receive non-taxable subsistence pay of $200 per month during the scholarship and one-half of a Second Lieutenant's pay (approximately $800) during ROTC Summer Camp. All travel expenses are reimbursed and room and board is provided during camp.

Special Summer Training

Special three-four week summer training opportunities are available to selected Basic Course and/or Advanced Course student who volunteer and are qualified. This training includes Airborne School; Air Assault School; Northern Warfare School; Mountain Warfare, Survival Evasion Resistance Escape; United Kingdom UTOC; and Cadet Troop Leadership Training Program. Travel expenses, room and board are provided for these U.S. Army Schools.

Military Science Minor Requirements

A student may earn a minor in Military Science by completing a total of 19 semester hours from any combination of Military Science courses

Military Science: Basic Courses

101. INTRODUCTION TO OFFICERSHIP I **1**

Introduction to the Reserve Officer Training Corps (ROTC) and the customs, traditions, organization, and role of the U.S. Army; basic map reading and land navigation skills, basic first aid, military writing skills. One hour of lecture per week. To be taken with MSC 111.

102. INTRODUCTION TO OFFICERSHIP II **1**

Introduction to radio communications; reinforcement of map reading and land navigation skills; introduction to small unit tactics and operations; introduction to the Constitution, leadership and officer ethics. One hour of lecture per week. To be taken with MSC 112.

111. INTRODUCTION TO OFFICERSHIP I LABORATORY **1**

Hands on instruction in rappelling, mountaineering techniques and equipment care. Two hours per week.

112. INTRODUCTION TO OFFICERSHIP II LABORATORY **1**

Hands on instruction in advanced rappelling, mountaineering techniques and equipment care. Two hours per week.

201. OFFICER LEADERSHIP AND MANAGEMENT ROLES **1**

Advanced map reading and land navigation using compass; first aid; exercises in written and oral communications; introduction to squad tactics. One hour of lecture per week. To be taken with MSC 211.

202. BASIC LEADERSHIP **1**

Principles of leadership and advanced military skills. One hour of lecture per week. To be taken with MSC 212.

211. OFFICER LEADERSHIP AND MANAGEMENT ROLES LAB **2**

Physical fitness training and practical application of military skills learning in the classroom. Two hours per week.

212. BASIC LEADERSHIP LABORATORY **2**

Physical fitness training and practical exercises of leadership and military skills learned in the classroom Two hours per week.

Military Science: Advanced Courses

301. ADVANCED MILITARY SCIENCE I **2**

Advanced map reading and land navigation; oral and written communications; radio communications; operations orders, squad tactics and operations and leadership. Two hours of lecture per week. Prerequisite: Completion of the Basic Course, completion of Basic Camp or consent of PMS. To be taken with MSC 311.

302. ADVANCED MILITARY SCIENCE II **2**

Advanced study in preparations for small unit operations, offensive and defensive; practical exercises in written and oral communications and seminars on preparation for Advanced Summer Camp. Two hours of lecture per week. Prerequisite: Consent of PMS. To be taken with MSC 312.

311. ADVANCED MILITARY SCIENCE I LAB **2**
Advanced physical fitness training and evaluated practical leadership exercises using skills and techniques learned in the classroom. Includes participation in at least three field training exercises and a social activity.

312. ADVANCED MILITARY SCIENCE II LAB **2**
Advanced physical fitness training and evaluated practical leadership exercises using skills and techniques learned in the classroom. Includes participation in at least five field training exercises and a social activity.

401. ADVANCED MILITARY SCIENCE III **2**
Staff organization and functions, techniques of command and leadership; oral and written communications; problem solving techniques; LAP exercises. Prerequisite: Consent of PMS. To be taken with MSC 411

402. ADVANCED MILITARY SCIENCE IV **2**
Professional development subject areas designed to prepare students for commissioning into the Regular Army, Reserve or National Guard. Ethics and leadership, unit administration, standards of conduct, military justice, war and morality, transition to the officer corps. Prerequisite: Consent of PMS. To be taken with MSC 412.

405. READING AND CONFERENCE IN ADVANCED MILITARY SCIENCE **1**
Independent reading and study of the art of military leadership and ethics. Conferences with assigned professor(s). Prerequisite: Consent of PMS.

406. PRACTICUM IN MILITARY STAFF PLANNING AND EXECUTION **1**
Practical exercises in military staff planning and execution of selected ROTC activities, exercises and/or leadership laboratories. Prerequisite: Consent of PMS.

407. READINGS AND REPORTS **1**
Readings and book reports on issues and/or military subjects of contemporary significance for military leaders. Prerequisite: Consent of PMS.

408. PRACTICUM IN METHODS OF INSTRUCTION **1**
Actual experience in preparing and presenting military science instruction on selected topics under instructor supervision. Prerequisite: Consent of PMS.

411. ADVANCED MILITARY SCIENCE III LAB **2**
Advanced physical fitness training and practical exercises in leadership and Army staff relationship including thinking, analyzing, planning, deciding and communicating. Plan and conduct at least three field training exercises and a social event under faculty supervision.

412. ADVANCED MILITARY SCIENCE IV LAB **2**
Advanced physical fitness training, practical exercises in leadership, command and staff operation, plan and conduct at least five field training exercises and a social event under faculty supervision.

Hurley School Of Music

Professor Odom, *Dean of the School of Music*
Professors: English
Associate Professor: Stone
Assistant Professors: Bukoff, McIntyre, Rust, Smith, Thorn
Instructor: Grosz
Adjunct Professor: Andress
Professors Emeriti: Causey, Sr., W. Teague, Voran, Dean
Lecturers: Brandt, DeRousse, Dowd, L. Crawford, Haas, Horak, Hundemer, Maynard, Moffett-Smith, Phillips, Ratcliff, Rowell, Scarlato, C. Teague, Vaska-Haas, Zale-Bridges

The Hurley School of Music, a professional music school within a liberal arts college, has as its mission the training and development of undergraduate music students in the Bachelor of Music and the Bachelor of Arts curricula. It is an integral part of Centenary College and embraces and affirms the college's liberal arts philosophy, while at the same time supporting the intensive specialization required for the Bachelor of Music degree. It provides opportunities for all segments of the college and the community to experience the art of music through class offerings, applied music study, ensemble participation and the presentation of concerts.

Admission

In addition to meeting the admission requirements of Centenary College, students wishing to major in music must first pass an audition in their major performing medium in order to be admitted to the Hurley School of Music. Such students must also take placement tests in music theory and piano before registering for music courses. Arrangements for auditioning should be made prior to registration with the Dean of the School of Music.

Students who meet all admission requirements for the College, but fail to meet School of Music standards in their principle performing medium will be allowed to register for MUS 170 (Applied Secondary), until such time as they attain minimum applied music standards. Such students may then be admitted to the School of Music and allowed to enroll in the normal applied music course sequence for the degree to which they have been admitted at a level consistent with their achievement.

Transfer Students

Transfer students will be required to audition in the area of their applied major or concentration to determine whether or not equivalent standards have been met. Placement examinations in music history and music theory may also be required.

Music Fees

The tuition surcharge of $125.00 per semester for students in the School of Music curricula covers all applied music fees. Non-music majors and part-time students who wish to register for applied music (private lesson)courses will pay $125.00 per course.

Requirements For All Music Majors

Piano Proficiency

All music majors will be expected to demonstrate an adequate proficiency in piano.

This requirement will normally be satisfied by taking a number of piano classes. All entering students are required to take a Piano Placement Test, which will allow them to register for the appropriate piano class which best meets their level of skill. After taking the Piano Placement Test, some students may be deemed proficient, and allowed to waive a part or all of the Piano Class requirements. Only students who have completed Piano Class 231, or have been deemed proficient upon admission by passing the Piano Placement Test may register for private piano or organ lessons.

Ensembles

All full-time students pursuing the BM degree must enroll in a least one ensemble for each semester in which they are at Centenary. Students pursuing the BA in Music degree must enroll for four semesters. Although the Hurley School of Music wishes to encourage enrollment in all of its music ensembles, students pursuing a music degree must enroll in particular ensembles, according to their primary applied area:

Brass, Woodwind, and Percussion majors must participate in Wind Ensemble.
Keyboard majors must participate in Accompanying.
String majors must participate in Hurley Chamber Orchestra.
Voice majors must participate in Camerata or Cantare.

Students holding music scholarships are responsible for fulfilling ensemble requirements listed on their music scholarship contracts.

Qualifying Exam

Examinations in applied music are held at the end of each semester before the appropriate music faculty in the student's speciality area. At the end of the sophomore year, or the completion of the 200, 250, or 270-level applied study, all music majors will be expected to qualify in the area of their primary applied area before a full faculty jury. The recommendation of the jury will determine whether or not these students continue in the applied music course sequence they have elected.

Recital Attendance and Participation

Music majors will attend all student recital hours (MUS 001-002). In addition, they will attend a minimum of ten approved formal concerts and recitals per semester.

Music students in both BM and BA degree programs are required to perform at least once each semester in the area of their applied major or concentration at the weekly Student Recital Hour (MUS 001-002).

Many of the music curricula require the successful public performance of an approved junior and/or senior recital. Students should refer to the Music Student Handbook for specific recital requirements in their degree area.

Degree Programs

Bachelor Of Music

Curricula leading to the BM degree require the following music courses:

Performance:

Orchestral Instrument

001-002	Recital Hour	0
111-112	Music Theory	8
211-212	Music Theory	8

345-346W-347	Music History	9
130-131	Piano Class	2
100-400	Applied Lessons	24
151-160	Ensembles	8
314	Counterpoint	3
323-326	Instrumental Conducting	4
411	Orchestration	3
443S	Music Literature	3
445-448	Pedagogy for major instrument	1
471	Senior Seminar	1
	TOTAL	**74**

Organ

001-002	Recital Hour	0
111-112	Music Theory	8
211-212	Music Theory	8
345-346W-347	Music History	9
100-400	Applied Lessons	24
170-270	Piano	4
151-160	Ensembles	8
314	Counterpoint	3
315-316	Service Playing	4
323/326 or 327/328	Conducting	4
335-336	Keyboard Pedagogy	2
411	Orchestration	3
443S	Music Literature	3
471	Senior Seminar	1
	TOTAL	**81**

Piano

001-002	Recital Hour	0
111-112	Music Theory	8
211-212	Music Theory	8
345-346W-347	Music History	9
100-400	Applied Lessons	24
151-160	Ensembles	8
232-233	Keyboard Technique	4
314	Counterpoint	3
323	Instrumental Conducting	2
335-336	Keyboard Pedagogy	2
411	Orchestration	3
433-434	Piano Internship	2
443S	Music Literature	3
471	Senior Seminar	1
	TOTAL	**77**

Voice

001-002	Recital Hour	0
111-112	Music Theory	8
211-212	Music Theory	8
345-346W-347	Music History	9
130-131	Piano Class	2
230-231	Piano Class	2
150, 200-400	Applied Lessons	22
151-160	Ensembles	8
107-108	Voice Lab	4
314	Counterpoint	3
327-328	Choral Conducting	4
443S	Music Literature	3
449-450	Vocal Pedagogy	4
471	Senior Seminar	1
	TOTAL	**78**

Sacred Music

Keyboard

001-002	Recital Hour	0
111-112	Music Theory	8
211-212	Music Theory	8
345-346W-347	Music History	9
150-450	Applied Lessons	16
170-270	Voice	4
170-270	Piano or Organ (secondary instrument)	4
151-160	Ensembles	8
314	Counterpoint	3
315-316	Service Playing	4
327-328	Choral Conducting	4
360, 361, 460	Sacred Music	9
471	Senior Seminar	1
	TOTAL	**78**

Voice/Choral

001-002	Recital Hour	0
111-112	Music Theory	8
211-212	Music Theory	8
345-346W-347	Music History	9
130-131	Piano Class	2
230-231	Piano Class	2
150-450	Applied Lessons	16
170	Organ Lessons	2
151-160	Ensembles	8
107-108	Voice Lab	4
314	Counterpoint	3
327-328	Choral Conducting	4

360, 361, 460	Sacred Music	9
471	Senior Seminar	1
491	Independent Study	1
	TOTAL	**77**

Theory/Composition

001-002	Recital Hour	0
111-112	Music Theory	8
211-212	Music Theory	8
345-346W-347	Music History	9
130-131	Piano Class	2
230-231	Piano Class	2
200-400	Composition Lessons	18
150-250; 370-470	Applied Lessons in Major Instrument or Voice	12
151-160	Ensembles	8
314	Counterpoint	3
323-326	Instrumental Conducting	4
411	Orchestration	3
412	Advanced Analysis	3
443S	Music Literature	3
471	Senior Seminar	1
491	Independent Study	1
107-108	Voice Lab (if a voice student)	4
	TOTAL	**85**
	(89 if voice student)	

Music Education

Instrumental

001-002	Recital Hour	0
111-112	Music Theory	8
211-212	Music Theory	8
345-346W-347	Music History	9
130-131	Piano Class	2
150-450	Applied Lessons	16
151-160	Ensembles in major instrument	8
153 or 154	Choral Ensembles	2
323-326	Instrumental Conducting	4
337, 338, 339	Music Teaching Methods	6
351, 353, 355, 357	Instrumental Teaching Methods	4
411	Orchestration	3
	TOTAL	**70**

Vocal

001-002	Recital Hour	0
111-112	Music Theory	8
211-212	Music Theory	8
345-346W-347	Music History	9

130-131	Piano Class	2
230-231	Piano Class	2
150-450	Applied Lessons	16
151-160	Ensembles	8
107-108	Voice Lab	4
327-328	Choral Conducting	4
337, 338, 339	Music Teaching Methods	6
	TOTAL	**67**

General Education Requirements For BM Degrees

Students pursuing the BM degree (except the BM in Music Education) will follow the same core curriculum as all other majors at Centenary College. Those requirements are listed on page 52. Students pursuing the BM in Music Education will find their general education curriculum listed under Secondary Education Certification on page 117.

In addition, performance majors in organ are required to complete two semesters of a single foreign language. Voice performance majors must complete two semesters in each of two foreign languages, selected from French, German or Italian. Other music majors must take at least one year of a single foreign language or a foreign literature course in translation.

Students purusing BM degrees may waive the College's 104-hour cap on the sum of core, majaor, and major supportive requirements. BM students are not required to fulfill additional College elective requirements, providing they fulfill the requirement of 124 hours for graduation at Centenary with courses from the core, major, and major supportive requirements.

Bachelor Of Arts In Music

001-002	Recital Hour	0
107-108	Voice Lab (if a voice student)	4
111-112	Music Theory	8
211-212	Music Theory	8
345-346W-347	Music History	9
471	Senior Seminar	1
130-131	Piano Class	2
170-370	Applied Lessons in Piano, Organ, Voice, Orchestral Instruments, or Guitar	6
151-156	Ensembles	4
	Electives	6
	TOTAL	**44 (48 if a voice student)**

Electives chosen from:

232-233 Keyboard Technique, 300 Meaning in Music, 314 Counterpoint, 323-326 Instrumental Conducting, 327-328 Choral Conducting, 360, 361S, 460S Sacred Music, 411 Orchestration, 412S Advanced Analysis, and 443S Music Literature.

General Education Requirements for the BA in Music Degree

Students pursuing the BA in Music degree will follow the same core curriculum as all other BA majors at Centenary College.

Minor In Music

111-112	Music Theory	8
130-131	Piano Class	2

143	Music Appreciation	3
170-270	Applied Lessons	4
	Music Electives of 300 level or above	6
	TOTAL	**23**

Music (MUS)

001-002. RECITAL AND CONCERT ATTENDANCE **0-0**

All music majors are required to register for this course every semester in which they are enrolled at Centenary.

107-108. VOICE LABORATORY **2-2**

Survey of pronunciation of Italian, French, German, and English. International phonetic alphabet used. Required for all voice concentrations as part of the applied music major.

109. FUNDAMENTALS AT THE KEYBOARD **1**

Fundamentals of reading music, basic keyboard geography

110. FUNDAMENTALS OF MUSIC THEORY **3**

A continuation of MUS 109. A study of the basic language of music, including notation, concepts of tonality, and terminology. Students will continue to study at the keyboard, and will begin ear-training and sight-singing.

111-112. ELEMENTARY MUSIC THEORY **4-4**

An integrated study of theory. Part-writing, keyboard, sight-singing, and ear-training are presented concurrently in order to make the student aware of the relationships between these elements. Computer software designed to aid in instruction and in writing music will be explored.

130-131. PIANO CLASS **1-1**

For non-keyboard music majors. Piano proficiency for non-voice majors is met by passing the final examination for MUS 131. Also for electives. Three class hours and six practice hours weekly.

139-140. VOICE CLASS **1-1**

Fundamentals of voice production. For non-voice majors and for elective. (Offered for beginning levels only.)

142. WORLD MUSIC **2**

A survey of the main categories of non-western music from around the world with emphasis on the relationship between those musical practices and the various societies and cultures from which they come. On demand.

143. MUSIC APPRECIATION **3**

A cultural course for the general college student. Survey of the principal music styles and media. Not for music majors.

211-212. ADVANCED MUSIC THEORY **4-4**

Prerequisites: MUS 111-112. A continuation of MUS 111-112, with emphasis on modulation, altered chords, larger formal structures, and some contemporary techniques. Continued work with computers and appropriate programs.

230-231. PIANO CLASS **1-1**

Continuation of MUS 129-131 for Vocal Performance Majors, Music Education Majors (vocal), Sacred Music Majors (voice/choral), and Theory/Composition majors. Piano proficiency is met

by passing the final examination for MUS 231. Three class hours, six practice hours weekly.

232-233. KEYBOARD TECHNIQUE CLASS **2-2**

Prerequisites: MUS 111-112, keyboard major, or permission of instructor. This class will cover the fundamentals of advanced sight reading, harmonization, transposition, improvisation, score reading, figured bass, ensemble playing, technique such such as scales and arpeggios, etc. This two-semester course will satisfy all technical requirements for keyboard majors.

300. MEANING IN MUSIC **3**

An introduction to music philosophy, focusing on discussions of musical meaning. Readings, including a wide range of perspectives by philosophers and musicians (composers, performers, critics), are examined in conjunction with musical examples. Also explored are the impact music has on other arts (including theatre, visual arts, dance, poetry, film) and the impact these arts have on music.

314. COUNTERPOINT **3**

Prerequisites: MUS 211-212 or consent of instructor. A study of 18th-century contrapuntal techniques through composition and analysis. Alternate years. Fall.

315-316. SERVICE PLAYING **2-2**

The art of accompanying on the organ and the adapting of other scores to the organ. Develops fluency in improvisation at the organ by using basic keyboard skills, basic forms, and modulation. Alternate years.

323. FOUNDATIONS OF INSTRUMENTAL CONDUCTING **2**

A study of the basic principles of instrumental conducting. Familiarity with baton techniques, basic patterns, and elementary score reading. Alternate years. Fall.

326. ADVANCED INSTRUMENTAL CONDUCTING **2**

A study of the techniques related to instrumental conducting. Consideration of the problems involved in conducting a band, an orchestra, and groups with both singers and players. Alternate years. Spring.

327. FOUNDATIONS OF CHORAL CONDUCTING **2**

A study of the basic principles of conducting for Performance, Sacred Music and Music Education majors with a vocal concentration. The course will cover the physical gesture, baton techniques and the language of the skill of conducting with specific application to problems inherent in the choral medium. Alternate years. Fall.

328. ADVANCED CHORAL CONDUCTING **2**

A study of the techniques of advanced choral conducting for Performance, Sacred Music and Music Education majors with a vocal concentration. The course will incorporate the study of choral tone and vocal pedagogy, stylistic analysis, score study, diction and rehearsal techniques. Continued refinement of the physical gesture in practical application of the rehearsal will be implemented. Alternate years. Spring.

329S. MUSIC EDUCATION FOR NON-MUSIC MAJORS **3**

Theory of music and elementary music teaching methods for the general classroom teacher. Fall.

335-336. KEYBOARD PEDAGOGY **1-1**

A study of common teaching methods, practices and literature for piano. Alternate years.

337S. ELEMENTARY SCHOOL MUSIC METHODS **2**

Prerequisites: MUS 211-212. A study of the methods, materials, and problems related specif-

ically to teaching general music classes in the elementary level school (grades K-6). General music and vocal music will be emphasized, along with classroom instruments such as recorder, guitar, autoharp, Orff instruments and classroom percussion instruments. Included also is the study of the philosophy, psychology, history, and contemporary trends in music education. Alternate years, fall.

338. SECONDARY SCHOOL INSTRUMENTAL MUSIC METHODS **2**

Prerequisites: MUS 211-212, MUS 337 or permission of instructor. A study of the methods, materials, and problems related specifically to teaching instrumental ensembles (small and large, beginning and advanced) at the secondary school level, including grades 6-12. Part of the emphasis will be on the development of improvisational skills for use in the music classroom. Spring.

339S. SECONDARY SCHOOL VOCAL MUSIC METHODS **2**

Prerequisites: MUS 211-212, MUS 337 or permission of instructor. A study of the methods, materials, and problems related specifically to teaching vocal ensembles (small and large, beginning and advanced) at the secondary level, including grades 6-12. Part of the emphasis will be on developing evaluative techniques and ability to apply them in assessing both the music progress of students and the objectives and procedures of the curriculum. Additional emphasis is placed on secondary general and exploratory music classes. Alternate years. Spring.

345-346W-347. A HISTORY OF MUSICAL STYLE **3-3-3**

Prerequisites: MUS 111-112 or consent of instructor. A study of the development of musical styles from late antiquity to the present with emphasis on the role of music in the context of Western history and culture. Includes study of non-Western music. Yearly.

351. STRING METHODS **1**

Study of the principles of string instruments in a laboratory format. Meets 2 hours weekly. Offered alternate years.

353. WOODWIND METHODS **1**

Study of the principles of woodwind instruments in a laboratory format. Meets 2 hours weekly. Offered alternate years.

355. BRASS METHODS **1**

Study of the principles of brass instruments in a laboratory format. Meets 2 hours weekly. Offered alternate years.

357. PERCUSSION METHODS **1**

Study of the principles of percussion instruments in a laboratory format. Meets 2 hours weekly. Offered alternate years.

360. SACRED MUSIC I: LITURGICAL MUSIC AND HYMNOLOGY **3**

History of the development of various liturgical forms, the Mass, the Judaic musical heritage, Anglican and Lutheran liturgies. Origins and uses of the great hymns, the ecclesiastical year, and music appropriate to it as well as their relationship to that of the general culture.

361S. SACRED MUSIC II: SACRED MUSIC LITERATURE **3**

Study of the various forms of choral and organ literature with detailed study of representative compositions. Organ and choral literature with practical application for the church musician, including an introduction to current trends.

395,396. SELECTED TOPICS **3,3**

An intensive study of an area not normally covered in the music curricula. Consent of instructor.

400. MUSIC INTERNSHIP **1-3**
Supervised internship with an approved employer in the music profession. A proposal for the internship must be submitted to the Dean of the School of Music for approval by the music faculty. This submission must occur prior to the beginning of the semester in which the course will be taught. For each 40 hours of work, a student may receive one hour of course credit. May be repeated once for credit. On demand.

411. ORCHESTRATION **3**
Scoring and analysis of scores for orchestra and band. Prerequisite: MUS 211-212. Fall.

412S. ADVANCED ANALYSIS **3**
Prerequisite: MUS 212. A survey of musical analytical techniques from the theories of Rameau, Riemann, Tovey, and more recent traditionalists such as McHose, Piston, Ottman, and others. Modern techniques based on Schenker, Forte, Reti, and others will be studied, with emphasis on functional, aesthetic, and historical judgement. Alternate years in spring.

433-434. PIANO INTERNSHIP **1-1**
Prerequisite: MUS 335-336 or consent of instructor. Supervised teaching of first and second year students in the piano preparatory program.

435-436. STRING TEACHING INTERNSHIP **2-2**
Supervised teaching in the Centenary Suzuki School. Prerequisite: String Pedagogy or consent of the instructor. Offered annually if enough students are in the program.

443S. STUDIES IN MUSIC LITERATURE **3**
Prerequisites: MUS 345-346W-347 or consent of instructor. Specialized studies in various genres of music literature, including choral, keyboard, operatic, art song, and symphonic literature. Offered on demand.

445. WIND PEDAGOGY **1**
Prerequisites: Applied Music 100-200. A study of common teaching methods, practices and literature for woodwind instruments. On demand.

446. BRASS PEDAGOGY **1**
Prerequisites: Applied Music 100-200. A study of common teaching methods, practices and literature for brass instruments. On demand.

447. PERCUSSION PEDAGOGY **1**
Prerequisites: Applied Music 100-200. A study of common teaching methods, practices and literature for percussion instruments. On demand.

448. STRING PEDAGOGY **1**
Prerequisites: Applied Music 100-200. A study of common teaching methods, practices and literature for string instruments. On demand.

449. VOCAL PEDAGOGY **3**
Prerequisite: MVO 100 and 200, or 150 and 250, or permission of the instructor. A study of vocal production, with emphasis on preparation for the student to teach private voice lessons.

450. VOCAL PEDAGOGY PRACTICUM **1**
Prerequisite: MUS 449. This continuation of MUS 449 is an internship experience in private voice instruction. Participants will be assigned a voice student for the semester, whom they will teach under periodic supervision.

460. SACRED MUSIC III: CHURCH MUSIC MANAGEMENT AND INTERNSHIP **3**
The organization and administration of a complete church music program. Rehearsal planning

and techniques, graded choir system, the music program and its integration into the total church program, equipment, music library, promotion, major works, organ design and placement. Practical application and observation of church music programs in the local area.

471. SENIOR SEMINAR **1**

The Senior Seminar in music will be a paper or project that deals with music topics such as style, history, biography, or theory. BM Performance majors must relate their paper or project to their senior recital.

491-496. INDEPENDENT STUDY IN MUSIC **1-6**

Prerequisite: Junior or senior status. Open to music majors with junior or senior standing. A special project in analysis, research, or an applied area will be designed by the student and a faculty adviser. This project will then be submitted to the music faculty for approval. Regular and periodical evaluation will be made by the supervising faculty member and the results of the independent study will be presented in the form of a paper, an original composition, or a public performance. May be repeated for credit with different topics. On demand.

199. MODULE STUDIES **3**

Special topics offered during the Module.

Applied Music: Private Instruction

100. APPLIED MAJOR **3-3**

Freshman applied music for B.M. in performance, except vocal performance majors. All freshman vocal majors will take MVO 150. One-hour private lesson weekly for two semesters with minimum of fifteen hours' practice a week.

200. APPLIED MAJOR **3-3**

Sophomore applied music for B.M. in performance. One-hour private lesson weekly for two semesters with minimum of fifteen hours' practice a week.

300. APPLIED MAJOR **3-3**

Junior applied music for B.M. in performance. One-hour private lesson weekly for two semesters with minimum of fifteen hours' practice a week.

400. APPLIED MAJOR **3-3**

Senior applied music for B.M. in performance. One-hour private lesson weekly for two semesters with minimum of fifteen hours' practice a week.

150. APPLIED CONCENTRATION **2-2**

Freshman applied music for B.M. in Music Education, B.M. in Sacred Music, B.M. in Vocal Performance. One-hour lesson weekly for two semesters with a minimum of ten hours' practice a week.

250. APPLIED CONCENTRATION **2-2**

Sophomore applied music for B.M. in Music Education, B.M. in Sacred Music. One-hour lesson weekly for two semesters with a minimum of ten hours' practice a week.

350. APPLIED CONCENTRATION **2-2**

Junior applied music for B.M. in Music Education, B.M. in Sacred Music. One-hour lesson weekly for two semesters with a minimum of ten hours' practice a week.

450. APPLIED CONCENTRATION **2-2**

Senior applied music for B.M. in Music Education, B.M. in Sacred Music. One-hour lesson weekly for two semesters with a minimum of ten hours' practice a week.

170, 270, 370, 470. APPLIED SECONDARY OR B.A. **1-1**
Half-hour lesson weekly with minimum of seven hours' practice a week. For secondary instrument, voice, or non-major elective. Also may be recommended for entering freshmen who are deficient in their applied area. May be repeated for additional credit.

Ensembles

151. WIND ENSEMBLE **1-1**
The wind ensemble offers training and opportunities for performing works written especially for this medium. Public concerts each semester. Audition required.

152. JAZZ ENSEMBLE **1-1**
Exploration of the literature for big band. Audition required.

153. CENTENARY CHOIR **1-1**
The Centenary Choir performs a wide variety of choral literature and makes many public performances. By audition only.

154. CHAMBER CHOIR (CAMERATA, CHORALE, AND CANTARE) **1-1**
These groups sing the great choral chamber literature from all periods of music history. Public concerts each semester. Membership by audition.

155. ORCHESTRA **1-1**
The Shreveport Symphony is resident at the Hurley School of Music. Professional positions may be available to advanced players.

156. HURLEY CHAMBER ORCHESTRA **1-1**
School of Music orchestra which plays a full range of literature and accompanies standard choral and concerto literature.

157. OPERA WORKSHOP **1-1**
An operatic workshop which includes training in basic opera repertoire and tradition, coaching, instruction in acting techniques, stage deportment, and preparation for productions leading to public performances. Audition required.

159. PIANO ACCOMPANYING **1-1**
The study of the art of vocal and instrumental accompanying.

160. CHAMBER ENSEMBLES **1-1**
Ad hoc instrumental or vocal ensembles, such as percussion ensembles and string ensembles.

Neuroscience (NEUR)

Professors: Coppola, Whited-Douglas, *Chair*

The field of neuroscience seeks to understand the many functions of nervous systems including those of the human brain. This emerging discipline draws on the techniques and traditions of neurobiology, psycology, computer science and philosophy, among other disciplines. The Neuroscience Curriculum at Centenary College reflects a commitment to independent research as a vehicle both for learning science and for self discovery. This major is particularly appropriate for students planning to go on to professional schools in the life or health sciences or for anyone interested in multidisciplinary approaches to the profound mysteries of the human mind.

Major Requirements For The B.A. Degree

1. Eight courses in Neuroscience core classes: BIOL 101, 204; PHIL 396 *(Evolution of Mind and Language)*; NEUR 203, 363, 410S, 473, and 483.
2. Four additional courses
   a. One from PSY 214, 311, 324W, or 421
   b. One from BIOL 202, 313, or 403W
   c. Two additional courses selected from PSY 214, 311, 324W, or 421; BIOL 202, 313, or 403W; NEUR 317, 319, CSC 104, 204; PHIL 206, 395S *(Introduction to Neural Networks)*

Supportive courses: CHEM 121/123, 122/124; PSY 303/313 or ECON 303/313

Major Requirements For The B.S. Degree

1. Eight courses in Neuroscience core classes: BIOL 101, 204; PHIL 396 *(Evolution of Mind and Language)*; NEUR 203, 363, 410S, 473, and 483.
2. Four cognate courses: CHEM 121/123, 122/124, 201/211, 202/212.

Supportive courses: MATH 115; PSY 303/313 or ECON 303/313; PHYS 104/114, 105/115.

203. INTRODUCTION TO NEUROSCIENCE 4

Prerequisite: BIOL 101. The fundamental principles and current problems of modern nervous system studies will be introduced. Topics include neural signaling, sensation, movement and the neural basis of cognition. The laboratory will reinforce lecture material and provide practical experience with both classical and modern methods in neuroscience. Yearly. (Same as BIOL 203, PSY 203) (3-3)

317. SENSATION AND PERCEPTION 3

Prerequisite: BIOL 101. This course considers the structure and function of sensory organs, sensory processing and how sensory data form and constrain our perceptions of the world. Lecture and laboratory exercises, including physiological and psychophysical experiments, will be seamlessly integrated in one three hour period per week. Fall of odd-numbered years. (Same as BIOL 317, PSY 317)

319. PSYCHOPHARMACOLOGY 3

Prerequisite: PSY 101 or consent of the instructor. This course deals with chemical transmission in the nervous system and its modification by drugs and disease. Topics include the neural basis and pharmacological treatment of such neurological disorders as depression, obsessive-compulsive disorder and schizophrenia. Fall of even-numbered years. (Same as PSY 319)

363W. INTRODUCTION TO NEUROSCIENCE RESEARCH 3

Prerequisite: NEUR 203. Under the supervision of a faculty member, students will take part in guided research on an original problem in neuroscience. The head of the neuroscience program must grant prior approval of the proposed project which may then be supervised by Centenary faculty or approved faculty from other institutions. Publication of research results is encouraged and both written and oral reports are required.

410S. ADVANCED NEUROSCIENCE 4

Prerequisite: NEUR 203, CHEM 122. Emphasis will be placed on cellular and molecular approaches to neural development and plasticity with extensive use of the primary literature. In the laboratory, students will work in research teams to pursue guided independent research. A research paper that adheres to the *Journal of Neuroscience* format and an oral presentation of research findings will be required. Spring of even-numbered years. (Same as BIOL 10, PSY 410) (3-3)

473. SENIOR SEMINAR **3**

This capstone course will feature rotating topics in neuroscience from complex brain functions including memory, language and emotion to evolution of mind. Students will be required to write abstracts of primary research articles, write a brief review article for non-scientists, present scientific papers to the class and participate in class discussions. Yearly.

483. NEURSOCIENCE THESIS **3**

Prerequisite: NEUR 363. Under the supervision of a faculty member, students will take part in guided research on an original problem in neuroscience. The head of the neuroscience program must grant prior approval of projects which may then be supervised by Centenary faculty or approved faculty from other institutions. Publication of research results is encouraged and a thesis required.

Philosophy (PHIL)

Professor: Aizawa, *Chair* kaizawa@centenary.edu
Professor: Colson dcolson@centenary.edu
Assistant Professor: Ciocchetti cciocche@centenary.edu
Professors Emeriti: Beaird ChasBeaird@aol.com
Cox lcox@centenary.edu

Since Socrates, philosophers have earned the reputation of questioning what is widely taken for granted in art, morality, politics, religion, and science. In fact, much of what we take for granted today has been influenced by the philosophical challenges of the past. It is because of philosophy's long intellectual history and profound contribution to human thought and society that it is one of the essential elements of the liberal arts curriculum.

The Philosophy Department brings the intellectual skills and rigor of this tradition to students through its introductory courses, history of philosophy courses, and courses specifically designed to address the philosophical dimensions of art, politics, religion, and science.

Major Requirements For A B.A. In Philosophy

At least 30 hours including 202, 301, 302, and 473.

Students planning on attending graduate school in philosophy are strongly encouraged to take PHIL 210: Symbolic Logic and to develop reading proficiency in French, German, Latin, or Greek.

Minor Requirements

At least eighteen hours including 301 and 302.

Departmental Honors In Philosophy

1. Admission to Departmental Honors program.
2. Graduation from Centenary with major in Philosophy.
3. Completion of Senior Honors thesis and six hours of Independent Study on research related to thesis; oral defense of thesis.

101. INTRODUCTION TO PHILOSOPHY **3**

An introduction to philosophical method through problems selected from such areas as theory of knowledge and reality, art, ethics, religion, and science. Yearly.

102. CONTEMPORARY MORAL PROBLEMS **3**

This course is designed to introduce students to ethical philosophy through the study of moral problems. The class begins with a brief introduction to major ethical theories. We will spend the remainder of the semester applying these theories to various ethical problems such as those posed by poverty, sexuality, affirmative action, gun control, punishment and the death penalty, homosexuality, and animal rights. Students will learn to identify kinds of ethical reasons in scholarly, legal, and popular arguments, describe the structure of these arguments, compare these arguments, and evaluate these arguments. Every spring semester.

202. ETHICS **3**

An introduction to the basic concepts and problems of ethics. Ancient and modern theories considered. Yearly.

205. PHILOSOPHY OF ART **3**

A philosophical study of aesthetic experience, the art work, and its critical evaluation. Yearly.

206. PHILOSOPHY OF SCIENCE **3**

An examination of 1) the nature of science and scientific method, 2) the nature of scientific concepts, and 3) the nature of scientific change. Yearly.

210. SYMBOLIC LOGIC **3**

A computer assisted introduction to the basic formal principles and methods of symbolic logic and deductive inference. On demand.

290. INTERDISCIPLINARY STUDIES **3**

This course is designed to facilitate the treatment of topics across disciplinary boundaries. Topics will vary from year to year. Course, but not individual topics, may be repeated for credit. No more than one 290 course may be used to fulfill a core requirement. Offered on demand.

301. HISTORY OF ANCIENT AND MEDIEVAL PHILOSOPHY **3**

A study of primary texts in Ancient Greek and medieval philosophy, such as those by Socrates, Plato, Aristotle, Aquinas, and Augustine. Yearly.

302. HISTORY OF MODERN PHILOSOPHY **3**

A study of primary texts in early modern philosophy, such as those by Descartes, Leibniz, Locke, Hume, ad Kant. Yearly.

303. PHILOSOPHY OF RELIGION **3**

A study of philosophical issues raised by the contemporary dialogue between the living world religions. Topics include concepts of God, revelation, religious truth, problem of evil and theory of salvation. Alternate years. (Same as REL 303)

307W. PHILOSOPHY OF WORLD RELIGIONS **3**

A historical study of Islam, Hinduism, Buddhism, Taoism and Confucianism as religious philosophies of life and liberation. Alternate years. (Same as REL 307W)

395,396. SPECIAL TOPICS IN PHILOSOPHY **3,3**

A detailed study of an area of philosophy not normally covered in regular courses. This course may be repeated for credit for different topics. On demand.

463. 20TH CENTURY ANALYTIC PHILOSOPHY **3**

Prerequisites: senior philosophy major or instructor's permission. A study of primary works in 20th Century Analytic Philosophy. On demand.

473. SENIOR SEMINAR IN PHILOSOPHY **3**
This seminar concentrates on perennial philosophical issues in epistemology, ontology, and axiology. Student will demonstrate proficiency in philosophical writing by researching and writing a major paper on a problem illustrating one of these issues. Prerequisites: senior philosophy major or permission of instructor. On demand.

483. SEMINARS **3**
Prerequisite: Permission of instructor. Group study of historical topics or problems, as determined by student interest and need. Study based on student discussion and papers. Offered yearly, or upon demand.

491-496. INDEPENDENT STUDY **1-6**
Prerequisite: Permission of instructor. Independent research and writing on a problem of student's choosing with approval and under direction of instructor. Offered yearly, or upon demand.

199. MODULES IN PHILOSOPHY **3**
Special topics offered during the Module.

Physics (PHYS)

http://alpha.centenary.edu

Associate Professor Lisantti, *Chair* lisantti@centenary.edu
Professor: Trahan jtrahan@centenary.edu
Associate Professor: Rodriguez jrodrigu@centenary.edu

The physics curriculum is made up of introductory courses designed to familiarize the non-science major with the fundamental concepts of physics and astronomy; courses designed to give the science major a firm grasp of the principles of classical and modern physics; and advanced courses designed to prepare the physics major with the necessary background in experimental and theoretical physics to meet the demands of graduate study and research.

The physics curriculum at Centenary has been recognized for its admirable emphasis on hands-on activities, including seven different laboratory offerings and live demonstrations throughout the lecture courses. Our laboratory equipment for lower division instruction includes a computer lab equipped with Universal Laboratory Interface boards and a variety of probes, video capture equipment, digital oscilloscopes, nuclear counting systems, nuclear spectroscopy systems, an x-ray diffraction system, optical spectrometers, an electron diffraction system, an 8 inch Celestron telescope along with two other 8 inch reflectors, a Plutonium-Berylium neutron source, and a wide range of general purpose laboratory supplies and equipment.

The department's emphasis on hands-on learning is reflected not only in its extensive holding of instructional equipment but also in the availability of research-grade instrumentation for student research and advanced projects. This advanced instrumentation includes a PTI QuantaMaster photon-counting fluorescence system, a Hitachi U-3000 Spectrophotometer, a Laser Photonics high power nitrogen-dye laser system, an Oriel computer-driven pulsed emission spectrometer, a photodiode array spectrometer, a CCD camera, a Hewlett-Packard (2 gigasample/sec) and a Tektronix (5 gigasample/sec) digitizing oscilloscopes, an EG&G ORTEC high-purity germanium detection system for low-

background high-resolution gamma-ray spectroscopy, a very low Reynolds number fluid mechanics system, two clusters of Pentium 866 MHz computers with advanced molecular modeling software, one Linux workstation, a VaxStation 4000/60, and a DEC 3000/400 Alpha computer. In addition, the department has a fully equipped metal machine shop and carries a full range of electronic supplies to build experimental equipment.

First-year students who plan to major in physics should have a high school background in mathematics through trigonometry. In the absence of such preparation, they are strongly advised to take Mathematics 107 or an equivalent course during the summer session prior to the fall semester of their first year.

Major Requirements For The B.S. In Physics:

1. Forty semester hours in Physics courses including PHYS 104, 114, Physics I & Lab; Physics II 105, 115; Modern Physics I 204, 214; Advanced Physics Laboratory 301W-302S; Modern Physics II 305; Electronics Laboratory 317; Dynamics 312; Thermal Physics 321; Mathematical Methods of Physics and Engineering 323; Electricity and Magnetism I 413; Electricity and Magnetism II 414; Quantum Mechanics 424; Light and Optics 426; and Senior Seminar 471.
2. Supportive courses as follows: MATH 115, 201, 303, and 307. CHEM 121, 122, 123, 124.

Major Requirements For The B.A. In Physics:

1. Thirty-three semester hours in Physics courses including Physics I 104, 114; Physics II 105, 115; Modern Physics I 204, 214; Advanced Physics Laboratory 301W-302S; Dynamics 312; Thermal Physics 321; Mathematical Methods of Physics and Engineering 323; nine additional hours of physics or engineering with course numbers 300 or above; and Senior Seminar 471.
2. Supportive courses as follows: MATH 115, 201, 303, and 307. Complete a total of eight hours in the related fields of chemistry, biology, geology, and astronomy.

Minor Requirements:

Eighteen hours of physics, six of which must be at the 300 level or above.

Departmental Honors In Physics

To be considered for admission to the Departmental Honors Program in physics, a student must meet the general catalog requirements for admission to such programs. Interested students should consult the chairperson of the department for more specific information.

001-002. PHYSICS PROBLEMS I-II **0**

Corequisite: PHYS 104-105. A supplement to the required work of Physics 104, 105, providing additional practice in setting up and solving problems within the scope of these courses.

103. CONCEPTUAL PHYSICS (LABORATORY REQUIRED) **3**

Corequisite: PHYS 113. A non-mathematical physics course for non-science majors which emphasizes the ideas of physics by examining the phenomena of everyday environment.

113. CONCEPTUAL PHYSICS LABORATORY **1**

Corequisite: PHYS 103. A physics laboratory for non-science majors to accompany Physics 103. Experiments in mechanics, fluid mechanics, heat, wave motion, light, sound, electric and magnetic fields, and electricity.

104. PHYSICS I (LABORATORY REQUIRED) **3**
Prerequisite: MATH 115; corequisites, PHYS 001 and 114. The principles and classical experiments of mechanics. Kinematics and elementary dynamics of point masses and rigid bodies. Offered in spring.

114. PHYSICS LABORATORY I **1**
Corequisite: PHYS 104. Introduction to laboratory techniques including experimental procedures, experiment evaluation, methods of data reduction and reporting of results; experiments taken from the area of mechanics.

105. PHYSICS II (LABORATORY REQUIRED) **3**
Prerequisite: PHYS 104; corequisite, PHYS 002 and 115. Theory and classical experiments of thermophysics, electricity, magnetism, and optics. Geometrical and physical optics, fields, potentials, dielectric materials, first and second laws of thermodynamics; heat conduction, and DC circuits. Fall.

115. PHYSICS LABORATORY II **1**
Corequisite: PHYS 105. A continuation of Physics 114 with experiments taken from the areas of optics, thermophysics, electricity and magnetism.

204. MODERN PHYSICS I **3**
Prerequisites: PHYS 105, MATH 201. An introduction to the topics of special relativity, wave and particle properties of matter, the Schroedinger equation with applications to simple systems, the hydrogen atom, and many electron atoms.

214. MODERN PHYSICS LABORATORY **1**
Corequisite: PHYS 204. Laboratory exercises related to topics discussed in Physics 204.

301W-302S. ADVANCED PHYSICS LABORATORY **1-1**
Prerequisite: PHYS 204. Advanced experimental techniques in physics. Design and construction of apparatus, including use of the machine shop. Electronic techniques and precision instrumentation. Experiments are selected in consultation with the instructor, and may include topics in mechanics, thermophysics, electricity, magnetism, optics, or modern physics. Three hours of laboratory weekly.

304. BIOPHYSICS AND BIO-IMAGING **3**
(Same as BPHY 304).

305. MODERN PHYSICS II **3**
Prerequisite: PHYS 204 and MATH 201. An introduction to the topics of molecular structure, nuclear physics, solid state physics, particle physics, and superconductivity. Alternate years.

312. INTERMEDIATE MECHANICS: DYNAMICS **3**
Prerequisite: PHYS 104 and MATH 307. A vector treatment of the kinematics and kinetics of particles and rigid bodies. Newton's equations. Euler's equations. Central force motion. Introduction to vibrating systems. Alternate years. (Same as ENGR 312)

314. BIOPHYSICS INSTRUMENTATION AND IMAGING LABORATORY **1**
(Same as BPHY 314).

317. ELECTRONICS LABORATORY **1**
Prerequisite: PHYS 105. An introduction to digital and analog circuits through laboratory exercises. Alternate years.

321. THERMAL PHYSICS 3

Prerequisites: PHYS 105; MATH 303. An introduction to the physics underlying thermodynamic concepts. Topics include the first and second laws of thermodynamics, Helmholtz and Gibbs free energies, chemical potential, grand partition function, and the properties of ideal, Bose, and Fermi gases. Alternate years. (Same as ENGR 321)

323. MATHEMATICAL METHODS OF PHYSICS AND ENGINEERING 3

Prerequisites: PHYS 105; and MATH 303 and 307. An introduction to basic mathematical methods and techniques used in the solution of physical problems with emphasis on applications rather than theory. Topics include solutions of differential equations, Laplace transforms, vector analysis, Fourier series, an introduction to methods of solving partial differential equations. (Same as ENGR 323)

351-352. PHYSICAL CHEMISTRY I AND II 3-3

(Same as CHEM 351-352).

353W-354. PHYSICAL CHEMISTRY LABORATORY I AND II 1-1

(Same as CHEM 353-354).

395, 396. SELECTED TOPICS 3-3

The study of an area of physics not normally covered in the regular physics curriculum.

398. COLLOQUIUM, OAK RIDGE SEMESTER 1

Prerequisites: Junior standing and admission by ACS Selection Committee. A program of speakers on a variety of scientific and social issues presented by staff of Oak Ridge National Laboratory under supervision of resident ACS faculty. (Same as BIOL 398/CHEM 398/MATH 398)

399. RESEARCH, OAK RIDGE SEMESTER 1-6

Prerequisites: Junior standing and admission to the program by the ACS Selection Committee. Research performed through participation in the ACS-Oak Ridge Semester Program under supervision of senior staff at Oak Ridge National Laboratory. (Same as BIOL 399/CHEM 399/MATH 399)

400. PHYSICS INTERNSHIP 3

Prerequisites: Junior or senior standing and recommendation of the Physics Department faculty. Work in an industrial or research facility for a minimum of 120 hours. A written and oral report on the work conducted is required. Offered on demand.

406. INTRODUCTION TO GEOPHYSICS 3

(Same as GEOL 406).

413. ELECTRICITY AND MAGNETISM I 3

Prerequisite: PHYS 105 and either PHYS 323 or MATH 404. A field treatment of electricity and magnetism, electrostatic fields and potentials, dielectrics, magnetic fields, electromagnetic induction, magnetic materials, energy in static electric and magnetic fields. Alternate years.

414. ELECTRICITY AND MAGNETISM II 3

Prerequisite: PHYS 413. An advanced treatment of electric and magnetic fields based on Maxwell's equations, introduction to theories of dielectric and magnetic materials, static boundary value problems. Electromagnetic waves, wave guides, and other boundary value problems. Alternate years.

424. INTRODUCTION TO QUANTUM MECHANICS 3

Prerequisites: PHYS 204, 323. An advanced treatment of non-relativistic quantum theory which introduces the student to the essential formal tools of quantum mechanics. Alternate years.

426. LIGHT AND OPTICS **3**
Prerequisites: PHYS 204, 323. A general treatment of the principles of physical optics including theory of waves, interference, diffraction, polarization and Fourier optics. Alternate years.

471. SENIOR SEMINAR **1**
Presentation and discussion of research performed by the individual student or reported in the current literature.

461-466. PHYSICS RESEARCH **1-6**
Prerequisite: Consent of department. Investigation of an original problem in physics either individually or as part of a research team. The problem must be approved in advance by the department and performed under the guidance of a faculty member. The goal of the course is to increase the student's knowledge of a specific area of physics and of the nature of the scientific enterprise. Written and oral reports are required.

491-496. INDEPENDENT STUDY **1-6**
Prerequisite: Consent of instructor. Guided independent study of a topic not currently taught in the department. May be repeated for credit.

199. MODULE STUDIES **3**
Special topics offered during the Module.

Psychology (PSY)

Assistant Professor Stafford, *Interim Chair*
Professor Emerita: Gwin
Assistant Professor: M. Weeks

The Department is oriented toward the discipline of psychology as a scientific field of study while still recognizing the application of psychology to broad humanistic concerns. The courses in psychology focus on understanding, predicting, and influencing behavior. The courses are designed to provide students with a broad base in the methodology and fundamental concepts in psychology in order to (1) prepare students for graduate studies, (2) prepare students for professions in which principles of psychology can contribute in significant ways, and (3) provide resources for those who wish to study psychology simply as a means of enriching their lives.

Major Requirements

For the Bachelor of Arts in Psychology, a major must complete:

1. Thirty (30) hours in psychology, including 101 (General Psychology); 211 (Human Growth and Development); 214 (Introduction to Research Methodology) or 303 (Statistics for Behavioral Science), 313 (Statistics for Behavioral Science Lab); 325 (Learning) or 324 (Experimental Psychology); 421 (Abnormal Psychology) or 422 (Theories of Personality), 473.
2. Supportive courses: A departmentally approved single foreign language through the elementary level.

Students considering psychology as a vocation should be prepared to continue their education in psychology at the graduate level.

Major Requirements For Three-Two Program In Speech-Language Pathology Or Audiology

For the Bachelor of Science in Psychology, and a Master of Communication Disorders degree from LSU Medical Center, a major must complete:

1. 31 hours in psychology, including 101 (General Psychology); 211 (Human Growth and Development; 221 (Psychology of Exceptionality); 303 (Statistics for Behavioral Science), 313 (Statistics for Behavioral Science Lab); 311 (Physiological Psychology); 322 (Introduction to Psychological Tests); 325 (Learning - Principles and Applications); 411S (History and Systems of Psychology) or 422W (Theories of Personality); 421 (Abnormal Psychology); and 473 (Senior Seminar).
2. Supportive courses: SPCH 101 (Voice and Diction) to meet Core IA; BIOL 101 and 202, EXSC 301 and 302, HLTH 271, SPCH 258 plus 30 hours from LSU Health Sciences Center.

Should students not complete the masters of communication disorders program at LSU Health Sciences Center, they may complete the B.A. degrees in psychology as long as core requirements are met and they have completed 124 credits acceptable at Centenary College.

Departmental Honors In Psychology

Students may be admitted to the Department's Honors Program if they have attained junior standing and meet the other requirements. For details, consult the department chairperson.

Minor Requirements

To minor in psychology, a student must complete eighteen (18) hours in psychology approved by a member of the Psychology Department. At least six (6) hours must be in courses above the 300 level.

101. GENERAL PSYCHOLOGY **3**

Introduces the study of behavior in the areas of heredity, learning, motivation, personality, and behavior modification.

203. INTRODUCTION TO NEUROSCIENCE **4**

Prerequisite: BIOL 101. The fundamental principles and current problems of modern nervous system studies will be introduced. Topics include neural signaling, sensation, movement and the neural basis of cognition. The laboratory will reinforce lecture material and provide practical experience with both classical and modern methods in neuroscience. Yearly. (Same as BIOL 203, NEUR 203) (3-3)

206. COMPUTERS FOR THE BEHAVIORAL SCIENCES **3**

A literacy course for majors in psychology and sociology who have had little or no previous experience with computers. Topics include history and societal implications of computers, commercial software having social science applications, and beginning programming in Basic. Students will employ a micro computer to solve a problem in their major field. Offered on demand.

211. HUMAN GROWTH AND DEVELOPMENT **3**

A study of the aspects of human behavior that change from conception through adulthood and the processes that account for the changes. A review of the major theories set forth to explain different aspects of human development is included.

214. INTRODUCTION TO RESEARCH METHODOLOGY **3**

The fundamental principles of scientific analysis of data and basic research methodologies

applicable to the social sciences will be surveyed. Course will be offered yearly. (Same as PSC 214)

221. PSYCHOLOGY OF EXCEPTIONALITY 3

Emphasis on the processes which contribute to personality. Study of gifted, retarded, emotionally disturbed children, learning disabilities, hard-of-hearing, visually handicapped, culturally deprived, and other disabilities that require special services. Yearly. (Same as EDUC 221)

290. INTERDISCIPLINARY STUDIES 3

This course is designed to facilitate the treatment of topics across disciplinary boundaries. Topics will vary from year to year. The course, but not individual topics, may be repeated for credit. Offered on demand.

303. STATISTICS FOR BEHAVIORAL SCIENCE 3

Prerequisite: MATH 105 or higher. The logic and application of standard statistical tests in the analysis of data. Topics include: descriptive statistics, statistical inference, correlation, T-test, and simple analysis of variance. Yearly. (Same as PSC 303 and SOC 303.)

305. SOCIAL PSYCHOLOGY 3

Prerequisite: PSY 101 or SOC 101. A theoretical and non-mathematical experimental approach to interpersonal interaction. Symbolic interaction, interest and exchange theory, group dynamics and process, ethnomethodology, and phenomenology. Yearly. (Same as SOC 305)

311. PHYSIOLOGICAL PSYCHOLOGY 3

A study of the physiological correlates of behavior. Emphasis on basic neuroanatomy, motor systems, sensory systems, sleep, attention, motivation, emotion, and physiological contributions to learning theory. BIOL 101-111 recommended. Yearly. (Same as BIOL 311)

313. STATISTICS FOR BEHAVIORAL SCIENCE LAB 1

Prerequisite: CSC 101, PSY 206 or computer proficiency. Corequisite: PSY 303. This course provides the student training and practice with computer applications in statistics. Coursework will involve descriptive and inferential data analyses used in typical behavioral research settings. (Same as PSC 313)

317. SENSATION AND PERCEPTION 3

Prerequisite: BIOL 101. This course considers the structure and function of sensory organs, sensory processing and how sensory data form and constrain our perceptions of the world. Lecture and laboratory exercises, including physiological and psychophysical experiments, will be seamlessly integrated in one three hour period per week. Fall of odd-numbered years. (Same as BIOL 317, NEUR 317)

319. PSYCHOPHARMACOLOGY 3

Prerequisite: PSY 101 or consent of the instructor. This course deals with chemical transmission in the nervous system and its modification by drugs and disease. Topics include the neural basis and pharmacological treatment of such neurological disorders as depression, obsessive-compulsive disorder and schizophrenia. Fall of even-numbered years. (Same as BIOL 319 and NEUR 319)

322. INTRODUCTION TO PSYCHOLOGICAL TESTS 3

Prerequisite: PSY 214. A study of the theories underlying psychological tests and scales, and of the interpretation and use of the data which they yield. Yearly.

324W. EXPERIMENTAL PSYCHOLOGY 3

Prerequisite: PSY 214 (may be taken concurrently). The student designs, conducts, and analyzes psychological experiments. The emphasis is on methodology employed in studying perception, motivation, and learning. Yearly.

325. LEARNING — PRINCIPLES AND APPLICATIONS 3

Prerequisite: PSY 101. An examination of current learning theories, experimental findings, and their applications. Techniques of behavior modification are demonstrated. Yearly.

340S. MOTIVATION 3

Prerequisite: Consent of the Instructor. Theories of motivation and research on motive systems are examined. Topics will include: biological motives of hunger, sex and aggression, behavioral and cognitive models for purposive behavior, biological arousal and cognitive mechanisms in human emotion, social motivation from infant attachment to cultural socialization, and avoidance learning.

341. FORENSIC PSYCHOLOGY 3

Prerequisite: PSY 101 or SOC 101 and Consent of the Instructor. Examination of the legal system through the use of psychological concepts, methods and research results. Topics include eyewitness testimony, jury selection, recovered memories and insanity defenses.

395S,396S. SELECTED TOPICS IN PSYCHOLOGY 3,3

Study of an area of psychology not covered in current offerings. Admission is by consent of instructor. No more than nine hours of Selected Topics will be counted toward the Psychology major. Offered as needed.

400. INTERNSHIP IN PSYCHOLOGY 3

Prerequisite: Junior or senior standing. Designed to compliment the student's theoretical understanding of psychology by providing the student with practical experience in a public or private setting. May be repeated once for credit in another area. Consent of instructor necessary before registering.

403W. ANIMAL BEHAVIOR WITH LAB 4

A study of the evolutionary, physiological and social behavior of animals in their natural habitats. Lab provides direct observation and analysis of related data collected on animals in both natural and captive situations. Fall of even-numbered years. (Same as BIOL 403)

410S. ADVANCED NEUROSCIENCE 4

Prerequisite: NEUR 203, CHEM 122. Emphasis will be placed on cellular and molecular approaches to neural development and plasticity with extensive use of the primary literature. In the laboratory, students will work in research teams to pursue guided independent research. A research paper that adheres to the *Journal of Neuroscience* format and an oral presentation of research findings will be required. Spring of even-numbered years. (Same as BIOL 410, NEUR 410) (3-3)

411S. HISTORY AND SYSTEMS OF PSYCHOLOGY 3

Prerequisite: PSY 101 or permission of the instructor. A study of some of the important approaches to the study of psychology, both historical and contemporary. Offered on demand.

421. ABNORMAL PSYCHOLOGY 3

Prerequisite: PSY 101 or permission of the instructor. A study of the major syndromes of behavioral disorders. Yearly.

422W. THEORIES OF PERSONALITY 3

Prerequisite: PSY 101 or permission of the instructor. A study of selected research and theories in the field of personality. Yearly.

473. SENIOR SEMINAR 3

Senior standing. Students complete a high-level review of major topics in Psychology integrated into written and oral presentations throughout the semester culminating in a final comprehensive exam. Spring semester annually.

483S. SEMINAR IN PSYCHOLOGY **3**

Prerequisite: Junior or senior standing. This course focuses on topics of current or historical interest in psychology. The student will be required to make a number of oral presentations to the class. Offered on demand.

491-496. INDEPENDENT STUDY **1-6**

Students taking Psychology Honors may earn credit with honors in this course through research, projects, or concentrated study of selected topics. Other students may pursue independent study and/or research for directed study in areas not satisfied in the regularly listed courses. The course may be repeated for credit with different topics. Approval of the department required.

199. MODULE STUDIES **3**

Special topics offered during the Module.

Religious Studies (REL)

Associate Professor Huff, *Chair*
Assistant Professor: Brayford
Professor: Otto
Professor Emeritus: R. Taylor

The Religious Studies Department encourages students to examine how religious beliefs, practices and values of contemporary and historical cultures shape and are shaped by societal factors, long-standing traditions, and distinctive forms of literary and artistic expression.

Major Requirements For The B.A. In Religious Studies

1. Thirty-three semester hours in Religious Studies courses
   - Introduction to Hebrew Bible (REL 101)
   - Introduction to Early Christian Literature (REL 102)
   - Religion and Culture (REL 111)
   - Philosophy of World Religions (REL 307)
   - Senior Seminar in Religious Studies (REL 473)
   - Eighteen additional course hours in Religious Studies, of which 12 hrs. must be at the 300 level or above.
2. Supportive Courses
   - Sociology 101 or 112
   - Any Philosophy course at the 200 level or higher
   - Any English course at 200 level or higher
   - Art 101
   - History 301
   - Speech 200

Religious Studies Minor

- REL 101
- REL 102
- REL 111
- Twelve additional hours in Religious Studies, of which at least six hours must be at the 300 level or above.

B.A. In Religious Studies With A Concentration In Christian Education

Any Religious Studies Major may choose a concentration in Christian Education by taking the following courses as part of the 18 additional course hours required by the major:

- Introduction to Christian Education (REL 251)
- Religious and Moral Development (REL 350)
- Children in Context of Church and World (REL 355S)
- Youth in Context of Church and World (REL 359)
- Christian Education in the Local Church (REL 450)

By taking these courses, a student can complete the major requirements for certification as a professional Christian Educator by General Board of Higher Education and Ministry of The United Methodist Church. Contact the Department Chairperson for more details.

Departmental Honors

To be considered for Departmental Honors, students must fulfill the general College requirements for honors programs. In addition they must:

1. Apply to the chair of the department during the junior year.
2. Be a Religious Studies major.
3. Be classified as a Senior while participating in the Program.
4. Hold a GPA of 3.5 or better in major and 3.25 overall.
5. Completion of Senior Honors Thesis with six hours of Independent Study on research related to thesis. The six hours of Independent Study should be split between two semesters.
6. Oral defense of thesis with the faculty members of the Department
7. Public presentation of thesis at appropriate forum

Transfer Work

Students proposing to transfer lower-level religious studies courses to Centenary should consult with the department chairperson to determine if these courses have prepared them to enter upper-level course work in the department.

Pre-Theological Curriculum

Entrance requirements of seminaries and graduate schools of theology must be met with courses in addition to the major and core requirements. Therefore, students who plan such graduate or professional study should consult with a member of the Department of Religious Studies before enrolling for work beyond the first semester of the freshman year.

101. INTRODUCTION TO HEBREW BIBLE **3**

Students will examine the Hebrew Scripture as the reflections made by the Israelite community about its relationship with God, its character as a chosen people, and its responsibilities in a pluralistic society. The class will use historical and literary methods to interpret the significance of the written texts. Offered every Fall semester.

102. INTRODUCTION TO EARLY CHRISTIAN LITERATURE **3**

Students will study early Christian literature to trace the development of the early church and its doctrines. Although primary attention will be given to the texts of the New Testament, non-canonical texts will also be examined. This course will use historical and literary methods to interpret written texts. Offered every Spring semester.

111. RELIGION AND CULTURE 3

Students will explore the individual and communal expressions of religion: the experience of the holy, myth, ritual, scripture, belief, morality, art, and literature. Religious cultures throughout the world will highlight this introductory-level investigation, with special attention given to recent developments such as civil religion and alternative religious movements. Offered yearly.

151-152. INTRODUCTION TO BIBLICAL HEBREW 3-3

Students will be introduced to the grammar, syntax and vocabulary necessary to read aloud and translate any narrative text in the Hebrew Bible. Alternate years. (Same as HEB 151-152).

160. THE AMERICAN RELIGIOUS EXPERIENCE 3

Students will be introduced to religious traditions in North America and the impact of these traditions on the development of North American society. Alternate years.

200. CHURCH CAREERS 1

Designed for Church Careers participants only. Integrates field placement experience with theological reflection and training in practical applications for ministry. Offered each semster on a Pass/D/Fail basis only. May not be counted toward requirements for Religious Studies majors. Individual topic may not be repeated for credit.

203. HISTORY AND DOCTRINES OF METHODISM 3

A study of the movement which affected the social and religious life of 18th-century England and which influenced the cultural, religious, and political development of America. Primary sources are the works of John Wesley, and secondary sources are recent interpretive biographies and histories of Methodism. Offered on demand.

205. INTRODUCTION TO JUDAISM 3

A study of Judaism as one of the major religious traditions of the West. The historical as well as the contemporary perspectives on Jewish literature, religious symbols, and lifestyles will be explored. Co-sponsored by the Jewish Chautauqua Society and Centenary College. Alternate years.

221. INTRODUCTION TO CHRISTIAN THEOLOGY 3

Students shall examine major topics such as the nature of God, Christology, sin, nature of the Church, biblical authority, salvation, creation and eschatology. Alternate years.

251. INTRODUCTION TO CHRISTIAN EDUCATION 3

The historical, theological, and pedagogical foundations of Christian education. Major emphasis on learning to teach effectively within a local church setting. Alternate years.

260. INTRODUCTION TO BUDDHISM 3

A general survey of the basic doctrine, practice and historical development of Hinayana and Mahayana Buddhism in India, China and Japan. Alternate years.

265. INTRODUCTION TO HINDUISM 3

This course is an introductory survey of the Hindu tradition. The study will follow the historical development of the tradition from pre-classical forms of Indian religion dating back some 4,000 years to modern revivals and reinventions of Hinduism in post-colonial India and cultures around the globe, especially North America. The course will pay particular attention to factors such as sacred literature, myth, ritual, ethics, religious experience, meditation practice, artistic expression, intellectual life, monasticism, religious institutions, popular religion, and the relationship of religion to society.

270. INTRODUCTION TO EAST ASIAN RELIGIONS 3

A general survey of the traditional Chinese, Korean, and Japanese religions: Shamanism, Shinto, Folk, Confucianism, Taoism and Buddhism. Alternate years.

280. INTRODUCTION TO ISLAM 3

Theological and cultural study of Islamic history and religious expression. Topics include the life of Muhammad, teachings of the Qur'an, developments of Islamic sectarianism, religious law, ethics, ritual practices and the presence of Islam in the contemporary world. Alternate years.

283. INTRODUCTION TO NATIVE AMERICAN CULTURES 3

An introduction to the practice of religion in specific native societies, exploring how indigenous religious traditions such as Navajo, Hopi, Lakota Sioux, Cherokee and Pueblo understand the world and how members of those societies participate in the world. Course will also consider the effects on these religions of domination by the colonial powers and contemporary revitalization of native traditions. Special attention given to Choctaw and Caddo traditions and their presence within Mississippi and Louisiana. Alternate years.

290. INTERDISCIPLINARY STUDIES 3

This course is designed to facilitate the treatment of topics across disciplinary boundaries. Topics will vary from year to year. Course, but not individual topics, may be repeated for credit.

303. PHILOSOPHY OF RELIGION 3

A study of philosophical issues raised by the contemporary dialogue between the living world religions. Topics include concepts of God, revelation, religious truth, problem of evil and theory of salvation. Alternate years. (Same as PHIL 303)

305W. PROPHETS AND PROPHECY 3

A cross cultural examination of the phenomenon of prophecy and the roles that prophets play in their societies. Primary attention will be given to the types of prophetic methods and messages of biblical and extrabiblical prophets, in comparison with other ancient and modern examples of prophecy. Alternate years.

307. PHILOSOPHY OF WORLD RELIGIONS 3

An historical study of Islam, Hinduism, Buddhism, Taoism and Confucianism as religious philosophies of life and liberation. Alternate years. (Same as PHIL 307)

308. SOCIOLOGY OF RELIGION 3

Prerequisite: SOC 101. An investigation of the contribution of religious symbolism to social organization, socialization, stratification, and change. The course examines the application of social theory, especially organization studies, to understanding religion as a social institution, particularly in the United States. Alternate years. (Same as SOC 308)

310. APOCALYPSE THEN – AND NOW 3

An examination of biblical and extrabiblical apocalyptic texts with attention given to the diversity of apocalyptic thinking and predictions. With this background, students will study more contemporary examples of apocalyptic writing, with an eye to discerning the social, psychological, and theological continuities and differences between apocalypses then and now. Alternate years.

320. ANCIENT GREEK RELIGION 3

This course is an introduction to the world of thought and practice that contemporary scholars call ancient Greek religion. The main materials of the course are drawn from the ancient Greeks themselves – from poets, artists, playwrights, and mythographers. Emphasis will be placed on the myths and festivals that formed the fabric of ancient Greek religious practice and outlook. Ancient perspectives on cosmos (universe), polis (city and its society), psyche (self), and theos (gods) will be explored. Alternate years.

350. RELIGIOUS AND MORAL DEVELOPMENT 3
Prerequisite: PSY 211. A study of the religious and moral growth stages of the human personality from infancy through older adulthood. Utilizes the work of Piaget, Gilligan, Fowler, Kohlberg, and postmodern and cross-cultural theorists. Alternate years.

355S. CHILDREN IN CONTEXT OF CHURCH AND WORLD 3
Prerequisite: PSY 211. Developing approaches to ministries with children. Focus on theoretical and practical nature of this endeavor will be explored. Alternate years.

359. YOUTH IN CONTEXT OF CHURCH AND WORLD 3
Prerequisite: PSY 211. Developing a theoretical and practical understanding of the nature of ministries with youth. Alternate years.

365. RELIGION AND POLITICS 3
Religion, churches and the American political system. The separation of church and state and the development of religious freedom in America. Special emphasis given to the influence of religion on political tolerance, public policy, and social change. Alternate years. (Same as PSC 365)

395S, W. SELECTED TOPICS IN RELIGIOUS STUDIES 3
A detailed study of an area in religion not normally covered or dealt with only in a partial manner in regular courses.

405S. BIBLICAL NARRATIVE 3
Prerequisite: REL 101, 102 or consent of instructor. An examination of selected texts and characters in the Hebrew Bible and New Testament with attention given to issues of characterization, plot and point of view. Students will assess the social and theological implications of the selected texts. Alternate years.

411W. PORTRAITS OF JESUS 3
Prerequisite: REL 102 or consent of the instructor. Examination and analysis of the many different ways that Jesus has been portrayed in the Bible, in other literature, in music, and in film. Primary attention given to the significance of the different portrayals and the possible social and historical conditions that might have produced such different portraits. Alternate years.

415S. WOMEN AND RELIGION 3
An examination of two interrelated issues, namely, the influences that religions have on women and the influences that women have on religions. Students will see expressions of these influences in women's art, women's writings, and women's actions in the world. Alternate years.

420. RELIGION IN THE SOUTHERN UNITED STATES 3
This course explores the rich religious history of the South (commonly known as the "Bible Belt") as well as an awareness of the intellectual, moral, political, social and economic forces that mold the region and give it a distinctive ethos. Topics of investigation include Southern evangelicalism, Southern Roman Catholicism and Judaism, religious pluralism, African American religious experience and denominational and sectarian movements of the last one hundred years. Alternate years.

430. GLOBAL FUNDAMENTALISM 3
This course investigates the phenomenon of fundamentalism in the context of United States culture and in other cultures around the world. Using fundamentalism as a cross-cultural and cross-traditional analytical category, the course examines the history, beliefs, practices, and cultural strategies of antimodernist religious protest movements in Protestantism, Catholicism, Judaism, and Islam.

450S. CHRISTIAN EDUCATION IN THE LOCAL CHURCH **3**
Identification of the role of the professional local church educator as related to the organization and programs of Christian education in the local church. Developing models for adult ministries in the local church, including young, middle and older adults, and families. Theories of leadership discovery and development. Introduction of organizational development applied to church education. Alternate years.

473. SENIOR SEMINAR IN RELIGIOUS STUDIES **3**
An evaluation of knowledge within field based on development of scholastic research paper and formal presentation. Yearly.

483. SEMINAR IN RELIGIOUS STUDIES **3**
An examination of major areas of scholarship in the field of religious studies. Up to six hours credit in separate topics. On demand.

491-496. INDEPENDENT STUDY IN RELIGIOUS STUDIES **1-6**
Open to junior and senior students with the consent of the instructor and the chair of the department. Weekly conference with instructor. The major portion of the study is composed of library and research work. A written thesis is required. On demand.

199. MODULE STUDIES **3**
Special topics offered during the Module.

Church Careers Institute (CCI)

Many full-time Centenary students interested in religious vocations and professional ministry are enrolled in the extracurricular program known as Church Careers. For additional information see page 65 of the catalogue.

Sociology (SOC)

Assistant Professor Demerath, *Chair* *Assistant Professor:* Wolkmir

Sociology is the systematic study of human social behavior. Sociologists strive to understand how humans interact with one another to create the lasting cultures, institutions and organizations that link generations in civilization. In addition, sociologists devote serious attention to the manner in which cultures and social structures influence human interaction.

Students of sociology acquire facility in the development of social thought, methods of social research, and applications of sociological knowledge to solve social problems. Majoring in sociology prepares students for (1) competent research and study in graduate programs, (2) admission to graduate study in professional degree and certification programs, such as social work, law, counseling, clinical sociology, clinically-oriented styles of ministry, occupational therapy, law enforcement, and other service-oriented professions, (3) bachelor-level practice in a variety of socially-oriented helping professions including social work counseling, religious work, certain adjunct therapies and juvenile and adult corrections, and (4) skillful and innovative performance in private business enterprise and public service, particularly in market research and public opinion polling.

Students with at least a 3.0 cumulative GPA and 10 or more hours in sociology with a 3.0 GPA are eligible for membership in Eta Chapter, Alpha Kappa Delta International Sociology Honor Society.

Major Requirements

All candidates for the B.A. degree in Sociology must complete:

1. At least thirty (30) semester hours in Sociology including 101, 404, 415, and an approved statistics course.
2. Fourteen of the minimum 30 hours in Sociology must be from courses numbered 300 or above. At least one of these classes must have a research laboratory.
3. One semester of Internship (120 hours) in a field setting.
4. A single foreign language through the elementary level.
5. All Sociology majors are required to take Senior Seminar.

Majors are encouraged to take biology and economics to fulfill core requirements, especially majors who intend to pursue an advanced degree in social work. Majors are encouraged to take Statistics and Research Methods prior to their senior year.

Minor Requirements

1. Sociology 101, 404.
2. Four (4) additional Sociology courses of the student's choice in consultation with the student's adviser.
3. Internship is not required of a minor but is recommended.

Requirements For Department Honors In Sociology

1. Sociology Major
2. Senior Standing
3. 2 Semesters of Study and Research
4. GPA of 3.5 or better in major and 3.25 overall.

Students participating in the Honors Program will engage in extensive study in original research under the guidance of the Sociology faculty. An oral and written presentation of research findings will be required.

NOTE: Students registering for advanced courses in the department should present proof of adequate background in social science theory and practice appropriate to the level of the course. Students are not permitted to register for Sociology 493 before consulting the department.

101. INTRODUCTORY SOCIOLOGY 3

A general survey of the development of sociology as an explanatory discipline with emphasis on the progressive theoretical foundations of the discipline. Subjects such as the interactions between individuals and society, the nature of social groups, and patterns of organization are discussed in the context of increasing sophistication of theory and method. Annually.

112. SOCIAL PROBLEMS 3

Application of sociological theory and research to selected contemporary social problems. Emphasis is placed on the structural and interactional nature of social issues and personal troubles in an effort to define and interpret pertinent social problems. Annually.

202. SOCIOLOGY OF THE FAMILY 3

A sociological analysis of marriage and family behavior within contemporary American society. A study of the interactional aspects of marriage and family with major emphasis upon the American middle-class. Annually.

205. CULTURAL GEOGRAPHY 3

A study of the cultural diversity of humanity as a function of geographic distribution. On demand.

211. THE SOCIOLOGY OF ORGANIZATIONS 3

Prerequisite: SOC 101. The study of structure and process in large-scale organizations. Examines bureaucracy and related types of organization as well as interrelationships of formal and informal organizations. On demand.

221. CULTURAL ANTHROPOLOGY 3

A study of modern theories of cultural anthropology, methods of research, and a comparative study of diverse systems of social organization. On demand.

231. INTRODUCTION TO SOCIAL WORK 3

A survey of casework, group work, community organization, social analysis, intervention, and priority care. Detailed attention will be given to ethics and decision-making in engineered micro-and macro-social change. On demand.

303. STATISTICS FOR BEHAVIORAL SCIENCE 3

Prerequisite: MATH 104 or higher. The logic and application of standard statistical tests in the analysis of data. Topics include: descriptive statistics, statistical inference, correlation, T-test, and simple analysis of variance. Yearly. (Same as PSC 303 and PSY 303.)

305. SOCIAL PSYCHOLOGY 3

Prerequisite: SOC 101 or 112. A theoretical and non-mathematical experimental approach to interpersonal interaction. Symbolic interaction, interest and exchange theory, group dynamics and process, ethnomethodology, and phenomenology. Annually. (Same as PSY 305)

308. THE SOCIOLOGY OF RELIGION 3

Prerequisite: SOC 101. An investigation of the contribution of religious symbolism and practice to social organization, socialization, stratification, and change. The course examines the application of social theory, especially organization studies, to understanding religion as a social institution, particularly in the U.S. On demand. (Same as REL 308)

309. SOCIAL STRATIFICATION 3

Prerequisite: SOC 101. An analysis of the structuring of societies along social class and caste lines with particular application to the American situation. Includes theories and characters of social class systems, research in stratification, differential class behavior, social mobility, power relationships, and castes and estate systems. On demand.

310S. URBAN SOCIOLOGY 3

Prerequisite: SOC 101. The study of how cities grow and vary in time and in different cultural contexts. An integration of materials from a variety of disciplines will be used to understand the phenomenon of cities. On demand.

313. STATISTICS FOR BEHAVIORAL SCIENCE LAB 1

Corequisite: SOC 303. This course provides students with training in, and practice with computer applications in statistics. Coursework will involve descriptive and inferential data analyses used in typical social research settings.

314S. CRIMINOLOGY 3

Prerequisites: Introductory Sociology preferred, any introductory social science course acceptable. A study of crime and the criminal justice system. Emphasis is placed on criminology as an academic discipline, a sociological analysis of the criminal justice system, and adult crime. On demand.

315. JUVENILE DELINQUENCY 3

Prerequisites: Introductory Sociology preferred, any introductory social science course acceptable. A study of the phenomenon of delinquency with an emphasis on the historical development

of delinquency in the United States, theoretical explanations, social control theories, and the juvenile court system. On demand.

316. SOCIETY AND TECHNOLOGY **3**

Prerequisites: Any introductory level sociology course. A sociological exploration of the relationships between technology and social life. Among the specific technologies considered are: motor vehicles, clocks, the internet, and television.

317. RACE AND ETHNICITY **3**

Prerequisites: Any introductory level sociology course. An exploration of how race and ethnicity are socially constructed, shaped by culture and social structures. Emphasis is placed on how racial and ethnic categories are consequential for all individuals, regardless of racial or ethnic identity.

319. SOCIAL STRATIFICATION LAB **1**

Prerequisite: concurrent registration in or credit for SOC 309. This lab gives students hands-on experience researching social inequality. Through the collection and analysis of data, students will work to develop an in-depth understanding of some facet of inequality. This understanding will be reflected in a research paper and an oral presentation.

320. URBAN SOCIOLOGY LAB **1**

Prerequisite: concurrent registration in or credit for SOC 310. This lab enables first hand analysis of the complex relationships between the urban environment and social behavior. Using appropriate sociological research methods students will investigate a variety of aspects of urban life. Findings will be presented in a research paper and an oral presentation.

333W. SOCIAL CHANGE **3**

Addresses the causes and consequences of change in the modern era. The analysis of preconditions begins with the agricultural revolution, proceeds to the Industrial Revolution and concludes with an examination of the post-industrial world. 3 hours. On demand.

334. COLLECTIVE BEHAVIOR AND SOCIAL MOVEMENTS **3**

Prerequisite: SOC 101 or 112. An examination of all forms of collective behavior; to be included in the study are crowd behavior, panic behavior, mass mo vements, fads and fashions, social movements, and other forms of collective social action..

354. SEX AND GENDER IN SOCIETY **3**

Prerequisite: SOC 101/112 or SOC 202. A sociological exploration of the importance of sex and gender in social life. Topics include the social construction of gender, inequality and discrimination, masculinity and feminity, gendered styles of interaction, and traditional role expections versus changing roles. On demand.

395-396. SELECTED TOPICS IN SOCIOLOGY **3,3**

Prerequisites: At least 6 hours in Sociology. A detailed study of specialized topics in sociology not normally covered in regular sociology, social work, and anthropology courses. On demand.

400. INTERNSHIP **3**

Students will be placed in a service agency for one semester for a minimum of 3 hours a week. Conferences with faculty will be at least 1 hour every two weeks. Students will be required to write a paper outlining the goals of the agency, an evaluation of how well the goals are being met, and their interpretation of their overall experience. May be repeated for credit.

403S. WORK AND OCCUPATIONS **3**

Prerequisites: SOC 101 and two additional courses in Sociology, or permission of the instructor.

This course will concentrate on the definition of work and occupations; why people work and works place in society. The occupational structure will be examined by various demographic variables and theories will be studied to understand work and occupations. On demand.

404S. SOCIOLOGICAL THEORY **3**

Prerequisites: At least 6 hours in sociology, junior or senior standing recommended; or by permission of instructor. A survey of classical and contemporary theory in sociology. Among the perspectives addressed: functionalist, conflict, interactionist, feminist, and postmodernist. Primary sources are used. Annually.

414. SOCIAL WORK METHODS **3**

This course is designed to teach the methods social workers use to promote or restore a mutually beneficial interaction between individuals and society. Assessment of a client's needs, deciding which system is appropriate for change and an emphasis on knowledge that can be applied to a variety of systems will be emphasized.

415W. METHODS IN SOCIAL RESEARCH **3**

Prerequisite: At least 6 hours in Sociology and an approved Statistics course. An examination of the interrelationship of theory, methodology and sociological research techniques. Annually.

416. METHODS IN SOCIAL RESEARCH LAB **1**

This course provides students with familiarity, experience and use in data entry and statistical analysis programs important to those in the behavioral sciences.

473. SENIOR SEMINAR **3**

Prerequisite: permission of the instructor. An in depth review of the major areas within the discipline of Sociology with emphasis placed on theory and research. Annually.

474. SENIOR SEMINAR LAB **1**

Prerequisite: concurrent registration in or credit for SOC 473. This research lab guides students through the collection of their own qualitative and/or quantitative data sufficient for professional level research. The quality of the data will be reflected in a report of data collection procedures, a report of field notes for qualitative data, and/or a codebook including variable frequencies for quantitative data.

483. SEMINAR **3**

Prerequisite: Permission of the instructor. An advanced study in research seminar format within a particular sociological specialty. Annually.

491-496. INDEPENDENT STUDY **1-6**

Prerequisites: Permission of the department, submission of acceptable proposal, selection of adviser. Advanced library or original research in a well-defined topic of the students' choice, forming a logical part of their academic curriculum. On demand.

199. MODULE STUDIES **3**

Special topics offered during the Module.

Theatre/Speech/Dance (THEA) (SPCH) (DANC)

Professor Buseick, *Chair*
Associate Professor: Hooper
Professor: Folmer
Assistant Professor: N. Thomas

The Theatre/Speech/Dance Department offers a curriculum to serve three types of students: those who plan to attend graduate school, those who plan to teach, and those who plan to pursue a career in the profession or to use their training for vocational recreation.

The Theatre/Speech/Dance Department provides cultural enrichment for the College and the community through its production schedule, representing a "Theatre With A Purpose." Participation in the productions of the department is open to any student enrolled at Centenary College.

Theatre Major Requirements

For the B.A. in Theatre, the major must complete:

1. Thirty-six (36) semester hours
   (a) required in these hours are those courses marked RT in the list below.
   (b) seven of these hours must be elected from the courses marked ET in the list below.
2. A single foreign language through the elementary level.
3. And 471-473S, T, or S or T.

Minor Requirement THEA/SPCH/DANC

General Theatre: 111, 201, 204, 250, 307, 308, 483.
Technical Emphasis: 111, 205, 206, 305, 350, 483, 493.
Directing Emphasis: 111, 205, 206, 203 or 204, 303, 401, 402.
Acting Emphasis: 102, 103, 111, 203, 204, 303, 405, 493.

Speech Major Requirements

For the B.A. in Speech, the major must complete:

1. Thirty-six (36) semester hours
   (a) required in these hours are those courses marked RS in the list below.
   (b) twelve of these hours must be elected from those courses marked ES in the list below.
2. A single foreign language through the elementary level.

Minor Requirements

THEA/SPCH/DANC 101, 200, 220, 311, and 2 of the following courses: 155, 201, 258.

Bachelor Of Arts In Dance

This degree is designed for students who wish to pursue a career in dance as teachers, performers and/or choreographers.

Required courses:

1. Dance: technique courses (19 hours). At least 4 hours in each of the following disciplines: ballet, tap, modern, jazz. At least 12 of these hours at the 200/300 level; DANC 327W, 328S, 370, 449; EXSC 324 or EXSC 325.

2. Theatre: THEA 204, 205, 305.
3. Supportive courses: BIOL 101, 111, FREN 101, 102 or FREN 201, 202, MUS 129, MUS 143.

Bachelor Of Arts In Performing Arts

This degree is designed for students who want to pursue a career in performing arts. Prospective candidates must audition and demonstrate a strong potential in one of the three areas of concentration: acting, dance, or music, in order to be accepted.

Required courses:

1. Theatre: THEA 102, 103, 204, 303, 307 or 308, 401, 402, 405.
2. Dance: DANC 121, 122, 123, 124, 125, 126, 127, 128, 327, 328, 370, and 8 hours from the intermediate or advanced level techniques courses. Students who already have proficiency past the beginning level in dance may substitute more advanced courses in this area for the required beginning level courses.
3. Speech: SPCH 201.
4. Music: MUS 107, 111, 112, 141, 142, 4 hours from 170 and 270, 2 hours in Ensemble, and piano proficiency.
5. At least 6 hours of a single foreign language.

Theatre/Speech Certification

For the B.A. in Theatre/Speech with teacher certification, the major must complete the teacher certification requirements (see Department of Education) plus:

1. Thirty-six (36) semester hours
   (a) required in these hours are those courses marked RC in the list below.
   (b) eight of these hours must be elected from those courses marked EC in the list below.
2. A single foreign language through the elementary level.

Major Required Courses

101	RS/ET/EC	206	ES/ET/EC	350	ES/ET/EC
102-103	RT/RC/ES	208	ET/EC/ES	351	ES/ET/EC
108-109	RC/RS	220	RS/RC/EC	354	ES/ET/EC
111	RC/ES	250	ES/ET/EC	401	RT/RC/ES
112	RT/ES/EC	258	RS/EC	402	RT/ES/EC
155	RS/EC	303	ES/EC/ET	405	ES/ET/EC
200	RS/EC	305	ES/ET/EC	483T	ES/ET/EC
201	RS/RC/ET	307	RT/ES/EC	471-473	RS/RT/RC
203	RT/RC/ES	308	RT/ES/EC	491-493	RS/RT/RC
204	RT/RC/ES	311	RS/RC		
205	RT/RC/ES				

(THEA)

001-002. THEATRE LABORATORY **0-0**

A practical experience related to productions, both performance and technical, for all theatre and theatre/speech certification majors for each semester in which they are registered in the College as theatre/speech majors.

102-103. VOICE FOR THE STAGE **2-2**
To be taken in sequence. An intensive year-long study of voice and speech embracing the study of sound production, breathing, projection, and the beginnings of their application to scene work. Yearly.

104. WORKSHOP: COSTUME CONSTRUCTION **1**
Practical workshop in design and construction related to summer productions. Offered summers only.

105. WORKSHOP PRODUCTION: TECHNICAL **1**
Practical workshop in construction, lighting, and stage props as related to summer productions. Offered summers only.

106. WORKSHOP: MAKE-UP **1**
A concentrated practical study of the basic techniques and application as applied to stage make-up. Offered summers only.

107. WORKSHOP: ACTING **1**
Principles of basic acting technique culminating in participation in special summer productions. Offered summers only.

111. ORIENTATION TO THE THEATRE **3**
A brief but comprehensive introductory view of the theatre examining all the elements that make it a lively art. Yearly.

112. ANALYSIS AND CRITICISM **3**
An introductory study of form and technique of dramatic literature. Yearly.

203. ACTING: MOVEMENT **2**
A study of the body as one of the tools in acting. Work on scenes and creative expression through physical movement. Alternate years.

204. ACTING: IMPROVISATION **2**
Prerequisite: 203. An intellectual approach to acting through the discovery of the where, who, and what used to develop creativity and spontaneity in the actor. Alternate years.

205. TECHNICAL PRODUCTION **3**
A course in applied arts in staging, lighting, and scenery. Yearly.

206. SCENE DESIGN **3**
Prerequisite: 205. Introduction to the principles of design for the theatre. Alternate years.

208. DRAFTING FOR THE THEATRE **3**
A detailed study of theatrical drafting techniques. Spring, alternate years.

250. HISTORIC COSTUME FOR THE STAGE **3**
A survey of dress, style, and design of personal scenic elements for theatrical production. Alternate years.

303. ACTING: CHARACTER DEVELOPMENT **3**
Through work with the dramatic text the student researches and applies philosophies of character development, using techniques of Stanislavski. Alternate years.

305. STAGE LIGHTING AND SOUND **3**
Survey of light and sound for the communicative media. Alternate years.

307S. HISTORY OF THE THEATRE **3**
The development of the theatre from its beginning to 1800, including highlights of great dramatists and their works, and of production. Yearly.

308W. HISTORY OF THE THEATRE 3
Prerequisite: 307. The development of the theatre from 1800 to the present, including highlights of great dramatists and their works, and of production. Yearly.

350. COSTUME DESIGN 3
Prerequisite: 250. Emphasis on design principles and construction. Alternate years.

351. TECHNICAL DIRECTION 3
Prerequisites: THEA 205, 208. An indepth study of theatrical construction techniques. Fall, alternate years.

354. SCENIC ART AND RENDERING TECHNIQUES 3
Prerequisite: ART 103. A practical study of theatrical art. Spring, alternate years.

401. DIRECTING I 3
Open only to senior speech or theatre majors. A study of the development of the director and his or her responsibilities in the theatre, together with a survey of production principles. One-act plays produced by members of the class. Yearly.

402. DIRECTING II 3
Prerequisite: 401. Script analysis and the application of researched theory into practical experience by means of directing scenes, one-acts, and cuttings. Yearly.

405. ACTING: STYLES 3
Prerequisite: 303. A survey of acting styles in Greek, Medieval, Commedia dell' Arte, Renaissance, Neo-classical, Restoration, Romantic, Realistic, Satire and Epic Theatre, and Theatre of the Absurd. Alternate years.

471-473. SENIOR SEMINAR IN THEATRE 1-3
A specially designed project course to assure senior competency in a student's major discipline.

483. SEMINAR IN THEATRE 3
Prerequisite: Consent of instructor. Advanced courses arranged for the individual major's requirements. Each semester.

491-496. INDEPENDENT STUDY IN THEATRE 1-6
Prerequisites: Junior or senior standing and consent of instructor. Designed for flexibility, this course is offered to meet the need of the individual student. Examples of projects: writing a thesis, mounting a production, developing a course of study, playwrighting, research, and conference. Each semester.

199. MODULE STUDIES 3
Special topics offered during the Module.

(SPCH)

101. VOICE AND DICTION 3
Study of vocal usage and work designed to improve personal speech through various exercises. An introduction to phonetics is also included. Alternate years.

108-109. FORENSIC LAB 1-1
Preparation for and participation at college forensic tournaments. May take the form of debate or individual events or both. Two semesters required for Theatre/Speech certification and for Speech majors. Offered every semester.

155. INTERPERSONAL COMMUNICATION 3
Study of interpersonal communication with emphasis on improving student skills such as listening, conflict resolution, and assertiveness. Alternate years.

200. PUBLIC SPEAKING 3
The development of oral communication skills employed in various speaking situations. Each semester.

201. INTRODUCTION TO INTERPRETATION 3
A step-by-step approach to the study and performance of literature. Alternate years.

220. SMALL GROUP COMMUNICATIONS 3
A study of group dynamics, exploring conflict, problem solving, decision making, and leadership through participation. Alternate years.

258. NONVERBAL & CROSS-CULTURAL COMMUNICATION 3
A comprehensive study of nonverbal communication, with application to cross-cultural communication. Alternate years.

290. INTERDISCIPLINARY STUDIES 3
This course is designed to facilitate the treatment of topics across disciplinary boundaries. Topics will vary from year to year. Course, but not individual topics, may be repeated for credit. No more than one 290 course may be used to fulfill a core requirement. Offered on demand.

311S. PERSUASION 3
Prerequisite: SPCH 200. Study of current perspectives, research, theory, and applications of persuasion. Alternate years.

401. SEMINAR IN COMMUNICATION THEORIES AND MODELS 3
Prerequisite: Permission of instructor. A course designed to survey and critically analyze existing communication theories and models. Fall of alternate years.

471-473S. SENIOR SEMINAR IN SPEECH 1-3
A specially designed project course to assure senior competency in a student's major discipline.

491-496S. INDEPENDENT STUDY IN SPEECH 1-6
Prerequisites: Junior or senior standing and consent of instructor. A project involving one or more of the major areas within the speech discipline. Examples of projects, writing a thesis, developing a course of study, and conducting a campaign or performance.

199. MODULE STUDIES 3
Special topics offered during the Module.

(DANC)

121-122. BALLET (BEGINNING) 1-1
Introduction to the fundamentals of classical ballet and vocabulary. (Same as EXSC 121-122)

123-124. TAP (BEGINNING) 1-1
Basic tap technique and vocabulary. (Same as EXSC 123-124)

125-126. JAZZ (BEGINNING) 1-1
Introduction to basic modern jazz technique and vocabulary with emphasis on body placement and exercise to increase the flexibility of the body. (Same as EXSC 125-126)

127-128. MODERN DANCE (BEGINNING) **1-1**
Introduction to basic modern dance technique, terminology, and philosophy. (Same as EXSC 127-128)

243-244. TAP (INTERMEDIATE) **2-2**
Concentration on riffs, pull-backs, wings, turns, and other specific advanced movements. (Permission of instructor required.) (Same as EXSC 243-244)

245-246. JAZZ (INTERMEDIATE) **2-2**
In-depth exploration of basic jazz movements with emphasis on rhythmic patterns, dynamics, space, and levels. (Permission of instructor required.) (Same as EXSC 245-246)

247-248. MODERN DANCE (INTERMEDIATE) **2-2**
Concentration on technical proficiency with emphasis on individual creativity. (Prerequisite: DANC 127 and 128 or permission of instructor.) (Same as EXSC 247-248)

261-262. BALLET (INTERMEDIATE) **2-2**
Designed to increase the students' knowledge of ballet by extending their vocabulary of classical movement, with emphasis on the importance of precision and proficiency. (Permission of instructor required.) (Same as EXSC 261-262)

327W. DANCE HISTORY I **3**
The development of Western theatrical dance from its beginning in the Renaissance Courts of Italy up to the 20th Century. Concentration on classical ballet.

328S. DANCE HISTORY II **3**
The development of modern tap, jazz, and twentieth century ballet, including a survey of the current dance scene.

361-362. BALLET (ADVANCED) **2-2**
Concentration on the performance aspects of ballet. Pointe work for women. Adagio and partner work for men. (Permission of instructor required.) (Same as EXSC 361-362)

363-364. TAP (ADVANCED) **2-2**
Exploration of various styles of tap such as soft shoe, ballet-tap, and buck-and-wing, with concentration on performance aspects and choreographic uses. (Permission of instructor required.) (Same as EXSC 363-364)

365-366. JAZZ (ADVANCED) **2-2**
Exploration of various styles of jazz dance such as lyrical, rock and musical comedy varieties with concentration on performance aspects and choreographic uses. (Permission of instructor required.) (Same as EXSC 365-366)

367-368. MODERN DANCE (ADVANCED) **2-2**
Exploration of various styles of modern technique with concentration on performance and choreography. (Prerequisite: DANC 247-248 or permission of instructor.) (Same as EXSC 367-368)

370. CHOREOGRAPHY AND COMPOSITION **3**
Methods of choreography and dance notation. Emphasis on theoretical and creative concepts. (Permission of instructor required.)

449. DANCE PEDAGOGY **1-3**
Prerequisites: Senior status and Permission of the Instructor. Theories, methods, materials, and practical approaches to teaching dance with supervised observation and practical teaching experience.

471-473D. SENIOR SEMINAR IN DANCE **1-3**
A specially designed project course to assure senior competency in a student's major discipline.

483D. SEMINAR IN DANCE **3**
Advanced courses arranged for the individual needs and interests of the student. (Consent of instructor required.)

491-496D. INDEPENDENT STUDY IN DANCE **1-6**
Prerequisites: Junior or senior standing and consent of instructor. A specific project such as choreographing a musical play, writing a thesis, or presenting a dance concert as a choreographer and/or as a performer.

199. MODULE STUDIES **3**
Special topics offered during the Module.

Enrichment Opportunities

The Centenary Mentor Program

In keeping with its traditional quest for academic excellence, Centenary College has instituted a special program for gifted students who are dedicated scholars. These students will be groomed for such awards as Rhodes, Rotary, and Fulbright Scholarships, and for prestigious graduate school fellowships. Those interested in this program may select specific faculty members as their mentors and, if approved, will work as proteges and junior colleagues on special scholarly and professional projects. Further information is available through the Dean of the College.

In keeping with its aim to provide breadth as well as depth in the student's academic experience, Centenary offers a variety of off-campus, exchange, travel, and field study programs. Additional information on any of the following may be obtained from the Provost of the College.

Foreign Exchanges

Centenary students have the opportunity to study on exchanges with the English Institute of the University of Aarhus and the Aarhus School of Business in Denmark, the University of Lille in France, and the Humboldt University in Berlin, Germany without payment of additional tuition and fees beyond those normally paid at Centenary College. See the Director of Intercultural Programs for more information.

British Studies at Oxford Program

Centenary's membership in the Associated Colleges of the South (ACS), an educational consortium, enables Centenary students to participate in the British Studies at Oxford program during the summer. Each year a different period of Britain's historical and cultural development is studied under the direction of some of England's leading scholars. Students live and study at St. John's College, Oxford, and have the opportunity to travel throughout Great Britain. Students who successfully complete this program receive course credit from Centenary.

The Intercollegiate Center for Classical Studies in Rome, Italy

Centenary College is a member of a consortium of American and Canadian colleges and universities that offer instruction in Classical Studies. Applications for the Spring term are due by October 31st and applications for the Fall term are due by April 15th. Contact Dr. Stephen Clark in the Foreign Language department.

Oak Ridge Semester

A fall semester of study and research at the Oak Ridge National Laboratory is available to qualified upper class majors in biology, chemistry, mathematics, physics, and the social sciences through the Associated Colleges of the South. Students selected for the program receive free housing and a stipend that can be applied toward tuition and other expenses. See Dr. Blakeney for information.

CODOFIL

Centenary College is a member of the Consortium of Louisiana Universities and Colleges of CODOFIL (the Council for the Development of French in Louisiana). The Consortium sponsors a variety of summer study programs in Belgium, Canada, France and Senegal. Centenary students regularly receive scholarships for these month-long programs from the French, Belgian, and Canadian governments. Academic credit earned in this way is accepted as "in residence" semester hours by Centenary. Preference is given to French Liberal Arts and French Education major.

Washington Semester Program

Selected students are permitted to spend one semester of their junior year at the School of Government and Public Administration of the American University in Washington, D.C. The purposes of the program are to provide an opportunity for students to observe their government in action, to perform individual research under careful supervision, and to exchange ideas with students from other institutions. Participating students work on an individual project selecting three courses to complete the program. Projects and courses are chosen in consultation with the faculty adviser, and full credit for the semester is granted by Centenary.

OTHER EDUCATIONAL RESOURCES

The Center for Economic Education

Centenary College is one of eight economics education centers in the Louisiana Council for Economic Education network. The Louisiana Council is a member of the National Council on Economic Education which promotes **EconomicsAmerica**.

The purpose of the Centenary Center is to work with the National Council, the Louisiana Council, and local school districts to coordinate workshops and seminars. These workshops and seminars assist teachers in their understanding of economic terms and the current economic issues which may develop as they teach their courses. The Center also distributes economics education programs developed through EconomicsAmerica to local teachers who wish to integrate them into their existing curriculum.

During the summer term, the Center staff teaches classes in economics education for graduate credit. The classes, held at Centenary, examine current economic issues, the economic principles behind those issues, and applications for classroom teachers. Participants then design their own economics curriculum which is best suited to their students' grade level and knowledge.

The Center for Management Development

The Center for Management Development at Centenary College conducts seminars of interest to the business community on such topics as human relations, marketing research techniques, plant safety, and women in management, as well as the yearly supervisory seminar. The Center also holds training programs for local businesses to assist the

development of their employees for advancement. The Dean of the School of Business is the Director of the Center.

Centenary Forerunners

The Centenary Forerunners Lifetime Learning Program is the senior adult education series for those over 50. During the fall and spring semesters, short non-credit courses are offered. These courses cover a wide range of liberal arts subjects to those with a love for learning and are taught by Centenary professors and area professionals.

Module Studies in England

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William E. Bradford (Dallas, TX)
Charles Ellis Brown (Shreveport)
Kenneth Q. Carlile (Marshall, TX)
C. Walter Dobie (Lafayette)
Robert L. Goodwin (New Orleans/ Shreveport)
Robert B. Hamm (Shreveport)
Edwin C. Harbuck (Shreveport)
Pat Ewing Hendrick (Shreveport)
C. Vernon Sanders (Atlanta, GA)
Ronald L. Sawyer (Shreveport)
Virginia K. Shehee (Shreveport)
Charles B. Simmons (Houston, TX)
Sally S. Treat (Shreveport)
Nicholas H. Wheless, Jr. (Shreveport)

Life Members

Alberta Broyles (Shreveport)
William H. Jackson (Shreveport)
Charles D. Knight (Shreveport)
Carl F. Leug (Lake Charles)
Douglas L. McGuire (Ruston)
Samuel P. Peters, Jr. (Shreveport)
Cecil E. Ramey, Jr. (Shreveport)
Joe D. Waggonner, Jr. (Bossier City)
J. Hugh Watson (Shreveport)
Harvey G. Williamson (Baton Rouge)

Administration

Office of the President

Kenneth L. Schwab, Ed.D., President
Connie T. Harbuck, B.S., Executive Assistant to the President
Amy Petrus, B.A., Coordinator of Research

Office of the Vice President

Eugene R. Gregory, Ph.D., Vice President for College Relations
Carol Bender, Administrative Assistant to the Vice President for College Relations
Amy Boltinghouse Davis, B.A., College Relations Coordinator for Central Texas
Amy Long Ricke, B.A., College Relations Coordinator for South Louisiana
Neal S. Williams, B.A., M.S., College Relations Coordinator for South Texas

Office of Admissions

Tim Crowley, B.A., Director of Admissions
Gisela Amidon, B.S., M.A., Admissions Receptionist and Guest Coordinator
Lewis Bell, Jr., B.A. Admissions Counselor
Anne-Marie Bruner, B.A., Associate Director of Admissions
Janet Ingram, Data Recording, Coordinator for Admissions
Lisa C. Rauschenback, B.A., Admissions Counselor
Deborah Scarlato, B.M., Admissions Services

Office of Development

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Traci Alsup, B.F.A., Director of Foundation and Corporate Relations
Diane Michels, Secretary/Director of Foundations and Corporate Relations
Kim Hobbs, Secretary/Annual and Major Gifts
Catherine Fraser, B.S., M.A., Director of Annual and Major Gifts
Patricia F. Gallion, Secretary/Director of Planned Giving and Director of Church Relations
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Carolyn Hitt, Gifts Recording Coordinator for Development
Mimi McDowell, B.A., M.S.W., Director of Church Relations
Patty Roberts, B.A., Director of Sponsored Research
Linda Trichel, B.S., Administrative Assistant to the Director of Development
David I. Williams, B.A., Secretary/Alumni Relations
Claire Woodall, B.A., J.D., Director of Planned Giving

Office of Financial Aid

Mary Sue Rix, M.A., Director of Financial Aid
Lynette Viskozki, B.S., Assistant Director of Financial Aid, Student Loan Officer and Veterans' Benefits Coordinator

Office of Public Relations

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Donna J. Bartholomew, Publications Specialist
Peggy Cooper, Publications Specialist
Office of Student Life
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Connie Brennan, Administrative Assistant, Student Life
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Patty Lowe, Administrative Assistant, Health and Counseling
Judy Martin, RN, Director of Health Services
Mark Miller, M.A., Director of Residence Life and Housing
Lori Bradshaw, M.S., Assistant Dean of Student Life and Director of Student Activities
TBA, Assistant Director of Student Activities
Felica Young, M.A., Assistant Director of Student Life

Athletic Department

David Bedard, Ed.D., Director of Athletics
Julie Cavalier, B.S., Coach of Women's & Men's Cross Country
Thomas Cathey, B.A., Academic Support
Stacy Cox, Assistant Coach of Women's Basketball

Alan Edwards, Head Athletic Trainer
Rosemary Griggs, Athletic Business Coordinator
Terry Ennis, Senior Women's Administrator/Compliance Coordinator
Elwyn Evans, B.A., Coach of Men's and Women's Rifle
Glenn Evans, B.S., Assistant Coach of Women's Soccer
A.W. Fulco, B.S., Coach of Women's Golf
Bill Hardy, B.A. Coach of Gymnastics
Larry Jacobs, B.A. Coach of Men's and Women's Tennis
Kevin Johnson, B.B.A., Coach of Men's Basketball
Jed R. Jones, B.S., Coach of Men's and Women's Soccer
Jenny Hazelwood, B.S., Coach of Women's Volleyball
Patrick Netherton, B.S., Sports Information Director
Ed McCann, M.S., Coach of Men's Baseball
Arturo Ormond, Assistant Coach Men's Basketball
David Pratt, B.A., Assistant Sports Information Director
Lisa Root, Coach of Women's Softball
David Winkler, M.S., Coach of Women's Basketball
Randy Lee, Assistant Coach Men's Basketball
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Dean of Magale Library and Information Technology

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Nancy E. Middleton, B.S., Acquisitions

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Sharon Chevalier, Access Officer
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Hurley School of Music Library

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Centenary Plan

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Therese Lambert, M.A., Director, Career Center
Dian Tooke, B.A., B.I.A. Director of Service-Learning

Meadows Art Museum

Diane G. Dufilho, M.F.A., Director
Bruce Allen, M.F.A., Curator
Dana Kress, Ph.D., Adjunct Curator
Karin Book, Office Manager

Office of the Registrar

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Dorothy Leismann, Assistant to the Registrar
Golda K. Young, M.Ed., Associate Registrar

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Betsy Bingham Eaves, B.A., Director and Chaplain of the College

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Bicka Bannon, Faculty Secretary
Gail Spence, Secretary to the Hurley School of Music
Kelly Schellinger, B.A., Secretary to the School of Business
Ilka Vaitkus, Secretary to the Education Department and Coordinator of Teacher Placement

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Theresa Rinaudo, Payroll Data Specialist
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Susan Chapman, Business Office Assistant
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Debbie Richardson, Accountant
Sonja Smith, Accounts Payable Coordinator

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Mack Peck, Assistant Manager, Shipping & Receiving
John Alford, Merchandising

Facilities Services
David Martin, M.B.A., Director of Facilities Planning and Management
Brian Baker, Assistant Director of Facilities
Shannon Spear, Department Secretary
Francine Campbell, Conference and Facilities Coordinator

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Chad Bernatowicz, Carpenter Assistant
Scott Cain, Plumber
Leroy Gafford, Painter
Stan Golas, Carpenter
Jerry Whittington, Electrician
Randy Walker, HVAC Tech

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Lyle Baker, Special Services
Michael Gideon, Special Services

Grounds Improvement
Brian Baker, Grounds Manager
David Gadson, Groundskeeper
Martin Gonzalez, Groundskeeper
Earnest Jackson, Groundskeeper
Lee Jackson, Groundskeeper
Sidney Johnson, Groundskeeper
William Thibult, Groundskeeper
Sheila Wiggins, Groundskeeper

Custodial Services
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Gwendolyn Thomas, Housekeeper, James Residence Hall
Catherine Woods, Housekeeper, Harden Residence Hall
Michael Mims, Custodian, Rotary Residence Hall
David Adams, Custodian
Estella Alvarez, Custodian
James Chatmon, Custodian
Asilie Davis, Custodian
Moses George, Custodian
Sammie Green, Custodian
W. T. Hayes, Custodian
Arthur Henderson, Custodian
Willie Holland, Custodian
Fred Jones, Custodian
Melvin Metoyer, Custodian
Annie Stadom, Custodian
H. R. Wallace, Custodian

Dining Service
Chris Walsh, Director of Dining

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Jose Lopez, Food Production Manager
Natalie McVay, Administrative Assistant
Paul Schiro, Catering Director

Post Office

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Bonnie Lee, Post Office Assistant

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Joy Aull, Captain
John Erie, Sergeant
Randy Greer, Sergeant
Betty Cheshier, DPS Police Officer
Stephen Fomby, DPS Police Officer
Pearlena Jackson, DPS Police Officer
Kevin Turner, DPS Police Officer
Preston Tyeskey, DPS Police Officer
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Endowed Chairs

The Cornelius D. and Florence Gillard Keen Chair of Physics

In 1972, the Keen Chair of Physics was endowed by Dr. Cornelius D. and Florence Gillard Keen as a testimony of their belief in superior liberal arts education.

The T. L. James Chair of Religion

In 1975, T. L. James and Company, Inc. of Ruston, Louisiana, endowed a Chair of Religion in memory of T. L. James, a long-time supporter of Centenary College and the United Methodist Church.

The Gus S. Wortham Chair of Engineering

The Gus S. Wortham Chair of Engineering was established in 1977 by the Brown Foundation of Houston in honor of Gus S. Wortham, a Houston business and civic leader.

The William C. Woolf Chair of Geology

The William C. Woolf Chair of Geology was established in 1978 by the Woolf Foundation of Shreveport. The Trustees of the Foundation requested that the Chair be named in honor of the late William C. Woolf, Shreveport oilman and civic leader.

The Willie Cavett and Paul Marvin Brown, Jr., Chair of English

In 1980, the Willie Cavett and Paul Marvin Brown, Jr., Chair of English was endowed by Mr. and Mrs. Paul M. Brown, Jr., as an expression of their commitment to church-related higher education.

The Samuel Guy Sample Chair of Business Administration

The Samuel Guy Sample Chair of Business Administration was established in 1983 by members of Mr. Sample's family in his honor. Mr. Sample was a pioneer in the early twentieth-century business world of North Louisiana.

The Mary Warters Chair of Biology

The Mary Warters Chair of Biology was established in 1984 by friends and former students of Dr. Warters, including many physicians and dentists who wished to recognize the excellence she exhibited in her teaching.

The Ed and Gladys Hurley Chair of Music

The Ed and Gladys Hurley Chair of Music was endowed by a trust fund in 1984. This Chair epitomized the generous support and leadership of the Hurleys over many years in their relation to Centenary's Hurley School of Music.

The George A. Wilson Chair of American Literature

The George A. Wilson Chair of American Literature was endowed in 1988 by a trust fund from the late George A. Wilson, a Centenary Alumnus, and the Eminent Scholars Fund from the State of Louisiana.

The Velma Davis Grayson Chair of Chemistry

The Velma Davis Grayson Chair of Chemistry was endowed in 1988 by a bequest of the late Velma Davis Grayson, and by a grant from the Eminent Scholars Fund from the State of Louisiana.

The Centenary College Chair of Liberal Arts

The Centenary College Chair of Liberal Arts was established in 1989 to provide enhancement, promotion, and support of liberal education. The endowment was made possible by an anonymous donor and the Eminent Scholars Fund from the State of Louisiana.

The Mattie Allen Broyles Inaugural-Year Chair

The Mattie Allen Broyles Inaugural-Year Chair was established in 1994 by Mr. and Mrs. Harvey Broyles with the support of a grant from the Eminent Scholars Fund of the State of Louisiana. In commemorating Mr. Broyles' mother, the donors wished to assist the college in recruiting faculty of the highest caliber by supporting a rotating chair that would help new professors establish their research programs at Centenary College.

The Arthur and Emily Webb Professor of International Studies

The Arthur and Emily Webb Professor of International Studies was instituted in 1994 by Mr. and Mrs. Harvey Broyles with the support of a grant from the Eminent Scholars Fund of the State of Louisiana. The chair honors the parents of Donald Webb, President Emeritus of Centenary College, and on a rotating basis supports visiting faculty from both within and outside of higher education in teaching and research related to international studies.

The Charles T. Beaird Chair of Philosophy

The Charles T. Beaird Chair of Philosophy was inaugurated in 1993 by Dr. Charles T. Beaird, Shreveport businessman, journalist, and teacher of philosophy, in an expression of his high esteem for the discipline of philosophy and his recognition of its centrality in a liberal arts education. While focusing on philosophy as a primary mission, the chair has a secondary focus on mathematics and/or the sciences and seeks to develop linkages and innovative programs with those disciplines.

The Rudy and Jeannie Linco Eminent Scholars Chair of Business Administration

The Rudy and Jeannie Linco Eminent Scholars Chair of Business was established in 1995 with a bequest from the Estate of Mr. and Mrs. A.J. "Rudy" Linco and a grant from the Eminent Scholars Fund of the State of Louisiana. In memory of the Lincos' entrepreneurial successes, the Chair will support a rotating, visiting professorship designed to enhance the existing curriculum. Candidates for the Linco Chair included academicians as well as leaders within the business community.

The Allen Harvey Broyles Eminent Scholars Chair of Computer Science and Mathematics

The Allen Harvey Broyles Eminent Scholars Chair of Computer Science and Mathematics was established in 1995 by Alberta Broyles in memory of her late husband, and with the support of a grant from the Eminent Scholars Fund.

The Mary Amelia Douglas-Whited Eminent Scholars Chair in Neurobiology

The Mary Amelia Douglas-Whited Eminent Scholars Chair in Neurobiology was established in 1996 by Edwin F. Whited in memory of his late wife, philanthropist and civic leader, and with the support of a grant from the Louisiana Board of Regents Eminent Scholars Fund.

The R.Z. Biedenharn Eminent Scholars Chair in Communication

The Biedenharn family established the R.Z. Biedenharn Eminent Scholars Chair in Communication in honor of civic and business leader R. Zehtner Biedenharn. The Louisiana Board of Regents matched the Biedenharns' gift in 1999 as one of the first super chairs in the state, funded at twice the amount of most endowed chairs.

The Bill and Sarah James Eminent Scholars Chair in Psychology

The Bill and Sarah James Eminent Scholars Chair in Psychology was established in 2001 through an endowment provided by their family and an award from the Louisiana Board of Regents Support Fund Endowed Chairs Program. Bill and Sarah James of Ruston are remembered as servant-leaders who improved many lives through their works.

The Albert Sklar Eminent Scholars Chair in Chemistry

The Albert Sklar Eminent Scholars Chair in Chemistry was established in 2001 through an endowment provided by the Sklar family and an award from the Louisiana Board of Regents Support Fund Endowed Chairs Program. Albert Sklar of Shreveport was an astute businessman who figured prominently in the advancement of Centenary College and the Shreveport-Bossier community.

Visiting Fellows

Visiting Professors in Centenary/University of Aarhus (Denmark) Exchange Program

Karl-Heinz Westarp .....Cand. Mag. (Aarhus) Lector
Jørn Carlsen.....Cand. Mag. (Aarhus) Lector
Donald Hannah .....M.A., Ph.D. (Nottingham) Professor
Anders Iversen.....Cand. Mag. (Aarhus) Lector
Per Serritslev Petersen.....Cand. Mag. (Aarhus) Lector
Michael Skovmand.....Cand. Mag. (Aarhus) Lector

Woodrow Wilson Visiting Fellows from the Woodrow Wilson National Fellowship Foundation

Judge Arlin Adams
Harold Agnew
Eugene Beem
Howard Bird
Harllee Branch
Frank Breese III
William Walton Butterworth
Lord Caradon
Sen. Dick Clark
Charles Corddry
Marion Corddry
Gene Dahmen
Nicholas Delbanco
William Dyal
Sara Fritz
Margaret Gibson
Agnes Gruliow
Leo Gruliow
Bob and Jane Levey
Maj. Gen. William C. Lewis
Joseph Mack
F. William McCalpin
David McKain
Edward P. Morgan
Carlos Moseley
Eleanor Munro
Nancy Neuman
Jane Pierotti
John J. Powers
Goldie W. Rivkin
Malcolm D. Rivkin
William Rodgers
Harold H. Saunders
J. Robert Schaetzel
Sen. Margaret Chase Smith
Godfrey Sperling
Marion Stephenson
Karen Swenson
David C. Thomasma
Henry Trewhitt
Milton Viorst
Charles Wadsworth

Lila Wallace-Reader's Digest Writing Fellow

Lis Harris

German Marshall Fund Fellow

Brian Magee
Brian Feeney
Frank-Dieter Freiling
Allan Silberbrandt
Bernd-Georg Spies

Woodrow Wilson Public Service Fellow

Darryl W. Kehrer

Attaway Fellow

Dava Sobel

Rea J. Fox Distinguished Professorship in Creative Arts and Letters

Karen Swenson

Professors Emeriti

Charles T. Beaird .....*Professor Emeritus of Philosophy*
B.A., Centenary College, 1966; Ph.D., Columbia University, 1972. (1969-1976)

Virginia Carlton .....*Professor Emerita of Mathematics*
B.S., Centenary College, 1939; M.S., Tulane University, 1940; Ph.D., Northwestern University, 1959. (1946-48; 1957-1983)

B. P. Causey .....*Professor Emeritus of Music*
B.A., Northwestern State College, 1939; M.M., Northwestern University, 1954. (1941-1981)

Willard Cooper .....*Professor Emeritus of Art*
A.B., Centenary College, 1947; M.F.A., Escuela Universitaria de Bellas Artes, Mexico, 1949. (1958-1989)

L. Hughes Cox .....*Professor Emeritus of Philosophy*
A.B., Wabash College, 1953; S.T.B., Boston University, 1956; M.A., 1959, Ph.D., 1963, Yale University. (1967-2001)

Ronald E. Dean .....*Professor Emeritus of Music*
B.A., Williams College, 1954; M.M., University of Michigan, 1957. (1960-2002)

James C. Farrar.....*Professor Emeritus of Health and Exercise Science*
B.S., Louisiana Tech University, 1953; M.S., University of Arkansas, 1961; Ed.D., Northwestern State University of Louisiana, 1975. (1977-2000)

Dorothy Bird Gwin .....*Professor Emerita of Education and Psychology*
B.B.A., 1954, M.S., 1955, East Texas State University; Ed.D., University of Kansas, 1958. (1967-1997)

Alton O. Hancock .....*Professor Emeritus of History*
A.B., Centenary College, 1954; B.D., 1957, Ph.D., 1962, Emory University. (1964-1997)

Lee Morgan .....*Professor Emeritus of English*
B.A., Hendrix College, 1949; M.A., University of Tennessee, 1950; Ph.D., University of Florida, 1954. (1954-1997)

Douglas W. Morrill .....*Associate Professor of Economics*
A.B., Oberlin College, 1938; A.M., University of Chicago, 1940; Ph.D., Indiana University, 1976. (1977-1986)

Woodrow W. Pate .....*Professor Emeritus of Economics*
A.B., Henderson State College, 1936; M.A., Louisiana State University, 1938; Ph.D., University of North Carolina, 1949. (1949-1977)

Arnold M. Penuel .....*Professor Emeritus of Spanish*
B.A., University of Tennessee, 1958; M.A., University of the Americas, 1963; Ph.D., University of Illinois, 1968. (1972-1999)

Viva L. Rainey .....*Professor Emerita of History and Government*
B.A., 1934, M.A., 1947, University of Chicago; Ph.D., University of Madrid, 1961. (1964-1978)

Barrie Richardson .....*Professor Emeritus of Business Administration*
B.A., Carleton College, 1955; M.B.A., 1956, D.B.A., 1962, Indiana University. (1983-2001)

Nolan G. Shaw .....*Professor Emeritus of Geology*
A.B., Baylor University, 1951; M.S., Southern Methodist University, 1956; Ph.D., Louisiana State University, 1966. (1955-1985)

Betty McKnight Speairs .....*Professor Emerita of Mathematics*
A.B., 1946, M.A., 1947, Southern Methodist University. (1947-1987)

Robert Ed Taylor .....*Professor Emeritus of Religion*
A.B., Centenary College, 1952; M.Div., 1955, S.T.M., 1970, Southern Methodist University; D.Min., Austin Presbyterian Theological Seminary, 1989. (1961-1995)

Stanton A. Taylor .....*Professor Emeritus of Chemistry*
B.S., Northwestern University, 1949; M.S., Iowa State University, 1955; Ph.D., University of Oklahoma, 1965. (1961-1994)

William C. Teague .....*Professor Emeritus of Music*
B.M., Curtis Institute of Music, 1948. (1948-1992)

Alvin C. Voran .....*Professor Emeritus of Choral Music*
A.B., McPherson College, 1928; B.M., Chicago Conservatory of Music, 1932; Mus. D., McPherson College, 1957. (1937-72)

Donald A. Webb .....*President Emeritus of the College*
B.A., Ohio Wesleyan University, 1960; M.Div., Methodist Theological School, 1963; Ph.D., Drew University, 1966. (1977-1991)

Warren N. White .....*Professor Emeritus of Engineering*
B.S., Louisiana State University, 1946; M.S., Southern Methodist University, 1954; Ph.D., Tulane University, 1975. (1976-1988)

Don C. Wilcox .....*Professor Emeritus of Business*
B.S., Nicholls State University, 1961; M.A., Louisiana State University, 1962; D.B.A., Mississippi State University, 1969. (1989-2001)

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Visitors are welcome at Centenary College. The Office of Admission is open from 8:00 a.m. until 4:30 p.m. on weekdays. Visitors should write or telephone well in advance for appointments during these hours. Special appointments may also be made in advance for Saturday mornings.

The Centenary campus is located two miles south of downtown Shreveport. The Shreveport Regional Airport has regularly scheduled flights on American, Continental, Delta, Northwest Airlink, TWA and USAir Express. Intercity bus transportation is provided by Trailways Intercity Bus System, intra-city bus transportation by the Sportran Transit System.

For further information write to the Office of Admissions at:

Centenary College of Louisiana
2911 Centenary Blvd.
P.O. Box 41188
Shreveport, Louisiana 71134-1188
http://www.centenary.edu

The telephone numbers of the Office of Admissions are (318) 869-5131 and (800) 234-4448.

Notes

Office of Admissions

CENTENARY COLLEGE OF LOUISIANA

P.O. Box 41188

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